<110>   Byrum, Joseph R.

<120>   NUCLEIC ACID MOLECULES AND OTHER MOLECULES ASSOCIATED WITH
           PLANTS

<130>   38-21(15598)B

<160>   36935

<210>   1
<211>   147
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
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gaaaagctta tccaaacaag ggccactata tattctgcaa tctggtactg tgccatatat   120

atggatggtg gntttggaca tttggat   147

<210>   2
<211>   378
<212>   DNA
<213>   Glycine max

<400>   2

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agcaaccgtg aactgctccc tctgcacttg ggtttttaaa tcccactgaa actgacaacg   180

ccaacctcac tggcgcctcc ctctcaccca aatcgccacc tcgagtggcg ccttccagct   240

aggaccctgc aactgcaggt gctgcaacct atggttgcag aagtgcaggt gctgaagtcg   300

ctggtcaaac cagcgctttc atgcaccttt ggacgcgcca ataagagctg cgatatgcag   360

tcctttgtcg ccagtcac   378

<210>   3
<211>   423
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   3

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tcacaaactn tgtggaatac tattgctact ccagaacaat gatctttagt taatctacac   120

tctagggtaa ttccatcatc taattacctt gcagaccta aaatcagaga agattgagtt   180

tgttgtagct ccatatgaag cagatgctca gttagcgtac atgtctcagc ttggagtaca   240

aaatggcgga gttgcagcgg tgatcacaga agatagtgat ctaatagcat atggctgtcc   300

agctgtaaga actcctccaa tactgtgata ttgcgcatgg aggtttactg cnnttttgat   360

atctcgattt atttacttgt tcactattca gcttcataga aagcatgcat tttgggatat   420

aat                                                                 423


<210>      4
<211>      462
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      4

tcccatctgt tctttagctg tacaaaaaca caatccctat catggattaa cacatcgaga    60

gcattttcag ccaacccaag gcaccacttc ttgcaacaca ctactggcct acacggatcg   120

aaacagtaca gcagatgaaa atggtgggtc gcattaacct tcacaatttg gcagcacaga   180

aatcggacta ttttctcaaa cgaaccattt aatggaagca gaatgaatga ggatgcagtg   240

ttactggtct ggtcatggtt cacagagctg gagaaaagat ttacagagca ttacaactac   300

tggtccagca acctatcagt agctntctgt aactagcata gatgggaagc tattgaccaa   360

atgtaacaat gtatctagtc tggattctaa cagagggacc ttcatcccac acagtcatac   420

tcctgtattc ttagtacccc ggtactttc tataatataa at                       462


<210>      5
<211>      394
<212>      DNA
<213>      Glycine max

<223>.     unsure at all n locations
<400>      5

agctttccct ctttgaacaa atacccctca gccaaataga atccatcttg ggccttttc    60

ccacaactct cataaatggg agagaaatgt tcatctaaag catacaagtc cctaatatta   120
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2

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tcaaatccta aaatttgagc tcctagggag caaaacaatg tgtgtctcct agagagggca    180

tcagctacca catttgtttt tccctttttg tatttgataa catatggaaa ttgctctagg    240

tactctaccc attttgcatg cctcttggtt aacttgcttt gccctctaat gtacttaagt    300

gattgatgat cactatgaat gacaaattcc ttggaaacaa ggtgtcgcaa cctacccttc    360

ngcgggaggg cgacgcgtga ctcgcgggat gcgt                                394
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<210>   6
<211>   464
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   6

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ntaagaggat gctntaatgg agganaataa agagagaagg ngggagcaca aaattgaagg     60

aataaaatag ggagagaagt ggaacattga agtgtgtctc ataagacttt cattcatcaa    120

agttacaaca agtgttacac atgcttctat ttatagacta ggtagcttcc ttgagaagct    180

ttcttgagga aacttccttg agaaacttct ttgaaaaaac ttccttgaga aggtagagct    240

tagctacaca cacccatctc ataactaagc tcacctcctt gagaagtttc cataagaaga    300

ttcctaaaga agctagagct tagctacaca tacctctcta atagctaagc tcacctcctt    360

gagatgggaa gctagagctn tgctacacac ccnctatgat agctaagctc accccatga    420

caaaatacat ganaatacaa aaaagatccc tactacaaag acta                     464
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<210>   7
<211>   373
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   7

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agctntgaaa agtgttgttn ttcaccttct cgctaagcca atccgctggc ttagcgagcg     60

tccgctaagc gcaacactca ttggctaagc gcaaggaaga atctggaaga aaatgagctg    120

tacaagttcg cttagcacac tgtttcgtct cactaagcgc accgcttcag tccatcagct    180

aagcgagaaa ggcacgcgct aagccgaaat tcactaatgt gcgctaagcg tccagaatt     240

gcgctaagtg cacgagcacg aacaaggcca cctatttaag cttgaaatca gattttgtga    300
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3

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agggagtttg ggctaggatt cagagctttg catgtctaga gattctagag agagaaaggt   360

ccaatttcag aga                                                       373


<210>      8
<211>      462
<212>      DNA
<213>      Glycine max

<400>      8

tgaaggcaaa ctggacgttg gtcaacttgg taacccagct ggccttgaat cagaaatctg    60

tacctgtcgc aagggtttgt ggtttgtgct cctctgctga ccaccataca gacctttgcc   120

cttccatgca gcaacctgga gcaattgagc agcctgaagc ttatgctgca aatatttaca   180

atagacctcc tcaacctcag cagcaaaatc aaccacagta gagaattat gacctttcca   240

gcaacagata caaccctgga tggaggaatc accctaacct cagatggtcc agccctcagc   300

aacaacaaca gcagcctgct ccttccttcc aaaatgctgc tggcccaagc agaccataca   360

ttcctccacc aatccaacaa cagcaacaac cccagaaaca gccaacagct gaggcccctc   420

cacaaccttc cctcgaagaa cttgtgaggc aaatgactat gc                     462


<210>      9
<211>      421
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      9

agctttgact ttagtcatca agagattata aatatgtgac aatggcatga gtttcaataa    60

taatcaataa tctatctttt acataatctt ctttcaacac ccttcaatca atctttcaat   120

atcttcttta atctctttca acattttcaa cagatctttc tgatttattt cccttcatct   180

ttctaaaagt ttttgttcaa tagtttctct tccaagaaaa gttctttgtt caaaaacttc   240

agctattcat cttttttcatt ctcttctccc tttgccaaaa gaaggaagga ctaaccgcct   300

gaattttttt gtgtctctct tctcccttac aaaagattca naggactaac cgcctgatat   360

atcttttgtt tccccataca aagatttaaa ggactaactg cctgagaatt ctttgtccca   420

a                                                                   421
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4

<210> 10
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10

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cagatgcacc accaccgcct ctacatcagc ctccgtcctt agagtccatc tcagctcaca   120

tgcagaggat tgagctccat atgcatgcat atatgcaaca tgtggccgac caataggcgg   180

ccaatcatag gggataggtg cagctgaatc agagctttta ccagtacacc ctacgtcagc   240

agagctagga tcccagccct tactcgtggc ttactcccga gtagtttggg gccacagttg   300

catggcctgg agataggccc aattttcaag tagggacaag accctcaaag gccccaggag   360

ttgaagatgg agctcaagaa gacgacgaca tangcgatgt gatg   404

<210> 11
<211> 284
<212> DNA
<213> Glycine max

<400> 11

agctttccaa gatattaagt tcttcctcag aactgtcgta agcgaagatg ccaatgtgct   60

attaacaact ttcgtttgcc catctgcttg tgggagacat gtggctgaaa ataacaattt   120

agtgcccaac ttgacccaca caggactacg caaatggctt atgaacttac agtccttatc   180

actaacaatg ctgcttggta aaccatggat gctcacaatc tccttgagga acaaattagc   240

cacatgggaa gcatcatcta cttctttaca tggaataaaa tgag   284

<210> 12
<211> 373
<212> DNA
<213> Glycine max

<400> 12

tcgatgaaga tgaaccatct aacaatgaac aaggttgtat tcaccatttg gtgtgtagct   60

actaatattt taagtcctat atataaatct tctctttgag cacttcttta tagctaatgg   120

gaagtacatt ataaccacca atttgataag atattgcgac ataggcaaac cactaatcca   180

atgtacatac tgcagtgcat acatgttgta tccggaaagg attcacatgc atagagacat   240

tgtgaaccca agattcctac tatgttgtgt gcaatggaaa gagttaacaa acagtgttga   300

aaccacccct tgttaatgcc tatgaagaca aacttactgt cacacctata ctaaaacacc   360

cctaacatat act   373

<210>   13
<211>   339
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   13

agcttgcatc acttttacct tttcatttcc atcgtactct tgcttcaaaa actgcccaat   60

cttgttggtg tttttagtgt cattattcta atcaacatag tggatgatat tgctccaaac   120

aagattgctc ttgcctttga ctttctctat ctcctctcgn gatttttttt atttgagcaa   180

ccgttgatta tccggtaggg gtggaacttc gtatatgtct ttaatatctt cccatagatc   240

acaagcatca agataggggtt ccgttctaat agcctagagg tggtaatgtt ntccattgaa   300

tagtgaaagc ctatgaagca cggacaccct agtcccctta   339

<210>   14
<211>   397
<212>   DNA
<213>   Glycine max

<400>   14

ttctccctat tttcctataa ataggggggag aagtgatagg gaaaaatgtt cagccctcct   60

gataattcga gatcacttga aattagtgaa aaaaattgtt tccgtgaaga aaattcaagc   120

caaggcgttt ccgtgggtga tttcgcgaag attttcaacc gttcttcgac gttcttcgtt   180

cgttcttcgt cgttcttcag tcttcaaccg gtaagttccc gaaatcgaac ttttcaattc   240

attctatgta cccttagtgg tcctcatttg ttttcacgcg cttttatttt cgtttcattt   300

actttccgta cccccttttg acgtgctcta gtcatttact taagtcatgt tctcgcctta   360

tcaaaaaata aaataaatat ccactgatca tttgagt   397

<210>   15
<211>   384

<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   15

agcttgcata actntgaatg gngtattggt agagtttatc cgttaatgat atgggctatt   60

gagttggggga ggattgattn tggaacttgt cgtggtgcag aagttagttc aagtgcgaac   120

actactagaa aaagagcttt ttgcgatgca cttacgacat cggtccaaca aaactgtcga   180

agtatattaa atggtgcatt tgtgtaatta caacgaaagt gtgcaccttg ccaattttat   240

ggttgacatt ggcacaactc ccttgaaggt tgttggaagg gactcgagag tgaggaaact   300

agacagcttg gggtattctc gatttccgta acatacttaa tgctctcaca acatagtgga   360

gttagggtag taaatttcac catt   384

<210>   16
<211>   243
<212>   DNA
<213>   Glycine max

<400>   16

cgaaccgcac cctactttat acggcgacaa acatgtggat atagacaaac atgcgctgac   60

ccgtctcagt gtcatgccta aggctagctc agcatgagtc caactttagc tagcgcgatt   120

cataatgagt tgtgccacat tttgcctata agtaggtgag gcgatttttt tcaaccaatt   180

agactctaat ccatggtgga tcaagttgac tcacaataat aataataatc tttttactta   240

cct   243

<210>   17
<211>   331
<212>   DNA
<213>   Glycine max

<400>   17

agctatatat cttttcttct tggttctgct tgctctgtag tgctttggtt ctatgctatc   60

cttttatatt tcatactatc tttgacacat gggactaaac attgaacagg tgggaaggtg   120

gtccagccaa aattccatgg tcctttaaag aagaagagac tatgtatctg ctggagggaa   180

aagtgagggt tactgttgaa gggtctgttg ggtcttttga aattgggggt ggtgatttag   240

7

ttgtcttccc aaaaggaatg aacattactt gggaagtgat tgaaactgtg aagaagcact   300

acagcttgaa aaaataatga tgtgtactta t   331

<210>   18
<211>   443
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   18

ctnggtgttg ttcctattgt gcgagttact gaggtgcaat ttcaatttta attggataat   60

gagaaatgtt agcaatatac taccgtatga cactgcatca cacactttat tatttgccac   120

aatttattgg aaatcacaaa attttgtggg ttctgttact tatttaatga acttcactcg   180

tgattttgga atttctaata aattttaacc aataataata ataatagagt gtgttactta   240

gaagggcatt gtattgctag cactcctctt gaagtatagc atacaaacat gaaaggaatt   300

ccattttaag tattatcctg taccanaacc tcactttagt ccccaatttt ggaaatcaca   360

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agcatacaag accaggaggg act   443

<210>   19
<211>   396
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   19

agctttagct ggactaaaaa acattataat cccttcaata gtaggatgag agtatgcctc   60

tcttagtatt tctttcaagt attgtgccta ctctagaaac aagaataaga gaaaattaaa   120

gggaatgcag ttagtcacat gatatattga gatttgtttt ttttttcttt ttttgtaatt   180

gataaaaaag acaaaattgg tgtcttttgc attaaggggc ctttcagaag aacttgtgaa   240

aataaattga tcagtttaat ttccttatac ttcaagtgaa aagattttta tactatgaac   300

taaccaaaaa tcatcctatg attnttaata taattattat aaaattacca tacatcataa   360

tttgagaatg tagaanacat aaacaacgtt tacact   396

<210>   20

<211> 459
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 20

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acccttaaaa caaaaatggc atacaacctc ctccaataaa tacaaacatc aatgtaaatt   120

tagagcaagc ttatgcgcat attttcttac gaacattcac tcgcacaaga tattcttcta   180

actaagaaaa atgcacccat gcacaatcaa ggcactttcg ttacctacat tatttgtatg   240

tacttccaag gtgtactacc tacaccacat gcatttcctt ggctaaattt acatacatgc   300

atgctcaaag cctcttggct accaaaagtt gcacacatgc aaactttatg atgaatcttg   360

gctatctaca caataaggtg ctacacttca tgctttatat caagtgtttt actaccagaa   420

gccgcatgcg aatgtcagta tattttcttt tgccgacta   459

<210> 21
<211> 328
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 21

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cttaggcact tctctctctt tcgaatttgc ttaggaaaat tgtttccgtg aagaaaatcc   120

aagccgaggc gcttccgtaa cgtttccgtg agtgattttg cgaaggtttt cgaccgttct   180

tcgacgntct tcattcgttc ttcatcgntc ttcagtcttc aacgggtaag tacctcatac   240

caagcttttc aattcattct atatacccgn nngggccac attatggttc atgtattatt   300

attctcgntt catttactct ttataccc   328

<210> 22
<211> 391
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22

ggctctanat ntacattgat gtttgtattt atgggaggag gttatatgcc atttttgctt   60

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taagagtaac gtcccactgg taaaactaac tttccaaatg tttgccttcg caggaatggc   120

cccgaggaag cttgcctcaa agaggtccag gaaggacaag gcggccgaag gaactagttc   180

cgccccggag tacgacagtc accgctttag gagcgttgta caccagcagc gcttcgaagc   240

catcaaggga tggtcgtttc tccgggagcg acgcgtccag ctcatggacg acgagtatac   300

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gtttgatcca gaaatagtcc ttgagttttta t                                391


<210>      23
<211>      352
<212>      DNA
<213>      Glycine max

<400>      23

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accttatgaa aaagtatgga agatagtaga agagtgtaga gactcctaga atgtgtggag   120

tattctagag aattagtctc catcctagga tacaagtaat ctccactatt tattgtggag   180

gtggagtagt ataaataaag gtaggatcct tcattcctaa aaaatctaag tagagagtct   240

ctctgagaga gaagataaat agctttggaa gtctctatcc tcaaacataa gtaagcctct   300

ctgagagaga agataaatag cttgggaagt ctctatcctc aagcttgagt ga           352


<210>      24
<211>      438
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      24

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tattcccatt ctccccgctc aaccactgaa tcgaattatc tccagccacc caactacacc   120

caaaatagag gttcagaaag gaagcaaact aacactgcca ataaccccaa gttccaggtt   180

ttaggtggga attatactat tatcaaaacg ggttctacaa cctcttatag aagcataact   240

cttgcaaaca cttttaatag taaaaaagaa aaaaaaaact ttacgtcaca gaactcacta   300

ccaagtgaaa aaccaccaac attgtcggtt tgtactctgc agtctgcacg tgtttccata  ·360
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aacagaaaca cattgatttt aaattaatta atcgattaat actaccatca agtagtacca   420

cccctatatt ctttctta   438

<210>   25
<211>   104
<212>   DNA
<213>   Glycine max

<400>   25

ccacattatt tccatgacac aaattgcaaa atgatgattt ggaaacttca tgcaaaactg   60

gtcatgcatg cacctatgca gacactcaag tgtcaaattt ttat   104

<210>   26
<211>   386
<212>   DNA
<213>   Glycine max

<400>   26

tgtctcagcg tttatgcgag acagagacca acatgttagc tatcatcgcc aagtaccaag   60

aagagttagg tctagccacg gcccacgagc atagaatcac ggatgagtat gctcaagtgt   120

atgcggaaaa agaggctaga ggaagggtga tcgactcttt acaccaagag gcaaccatgt   180

ggatggatcg gtttgctctt accttgaacg ggagtcaaga acttccccga ttgttagcca   240

aggccaaggc gatggcagac acctactccg cccccgaaga gattcatggg cttctcggct   300

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tggtctctca gaccttgact ggatac   386

<210>   27
<211>   379
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   27

agcttctccc ccaattntct ataaataggt ggagaagtga agtgaanaag ggttcagccc   60

cttaagcact tctctctctt tcgaatttgc ttggaaaaat tgtttccgtg aagaaaatcc   120

aagccgaggc gcttccgaaa cgtttccgta acgtttccgt gaggaatttc gcgaaggttt   180

cgaccgttct tcgacgttct tcattcgttc ttcatcgttc ttcgatcttc aacgggtaag   240

11

```
tacctcgaac caagcttttc gattcattct atgtacctgt ggtggtccac attgtggttc    300

gtggattttt attctcgntt catttacttt ctataccccc ttttgacgtg gcttaagcca    360

tttatttaag tcatttctc                                                 379
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```
<210>    28
<211>    395
<212>    DNA
<213>    Glycine max

<400>    28

ttggatgcct ataagattat taaggctgaa gtcgagaaac tatgtggata gcaaattaag    60

atcgtgagat ctgattgagg tggagagtac tatggtagat acacggagaa tggacaagca    120

cctagtctgt ttgcgaagtt tgttcaggaa catgggatta ttgcccagta cactatgctt    180

ggttctccgg atcagaatga tgtggcagaa agaagaaacc gaactttaat ggacatgata    240

aaaagtatga gaagtaataa aaaacttcct caattcttgt ggattgaagc attaaagacg    300

gttgtatata tattaaaccg ggttccaacc aaggctgtct taaagacacc tttctagtta    360

ttcaaaggtt ggaaaccgag tttgcgacat atatg                               395
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<210>    29
<211>    408
<212>    DNA
<213>    Glycine max

<223>    unsure at all n locations
<400>    29

agcttanagg agcactcana tcgggtgtat ttaaccccat ggcctagact ccgaagagtc    60

cgtcagggcc tctccctcct gattcaggtc caacccanaa aacattntag cacacagact    120

ntatctatga actgtacaaa atacacgact cctcaattgt tctcaaaata attttatcta    180

atcgcgcttg tgattaaact cgtcaggtcc caacagtggt tcccatcata atactcgcca    240

cgcattaact cgtcgccctt agattcatag ttcacaaatc agggcacaca acatctcaat    300

gcacatatat attacaagtc aatacatact caatttatca catacatttg gtctcaatca    360

cagtggtata atctcaattt aacatgttat cacacctcat gaatcata               408
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<210>     30
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12

<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 30

ntaactnttc aatctctctg canataaata acaagattac ttatatatca tattgagatg   60

agtctgatat ctcaagatta catttgaata aaatcatgag gttgaattaa ttgaaatact   120

ttaaggttat agcaaaaaag gtttcagcta aaacaaatgc aaggcagcgt aagaaataaa   180

ttactacatt agcaataacg cttaaatatc tacataaaca gaatattcca taaagattat   240

atttaagccc catgctgaga tgcaagtaat atgctgtttc atatttatca aaatatagga   300

atggaaatga tgcaggaggc ccacagaatt aagtcataaa cctgaactca actacatctg   360

tgcatacaca taaaccanat cctaccattn taattntaca ccctccccan acccacaatg   420

aatatggcct aaggaataca tcg   443

<210> 31
<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31

agctttcgta catcgttctt ctgaaactag tccaactttt cctacattgc tttaacccag   60

tattcattag acatagcgtc atctatgtac tttggcttga tctcgaaaag caaagttcta   120

tgcttgaaag agttccttgt caggactttg tccttaggat caccaatgat ctgggactct   180

agatgatctt tttgtagcaa tcatccagtt ggttctctga cttatagagg ttgatcatcc   240

actggtgagt tggacgcata ttggtcttga ctggacctag caacatattt cacgatattn   300

tctactttca tctcagtaga agactcatct agctccaaca ttgtagtgtt aggcttattg   360

tcattaagtc ttacgtgaat ggcctcttcc acagtcat   398

<210> 32
<211> 458
<212> DNA
<213> Glycine max

<400> 32

13

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actccaagta ggcctccgga tcattctttc ctttaaaggg aggaatgttg agtttaatac 120

catcaattcg gctttgacta ggaacaccat cattccctct tctcctcctt tcttcttcat 180

tatgatctct attctccatt tgatccaacc tctcatggag cacatcatct cattgtttca 240

ttaacctctc caaatgatgc atcacagctt gcatttggaa ttgcgaaagc cccactccat 300

cattaggatt tggtcctgcc atctcataca aacacatcag acgtatcaag acaattatag 360

ttgctgtttg aatacctcac tcactcaagt gtatcacaca attatggttt ttctctaatg 420

aaacactctt gccttctacc actctaattc cacttgag 458

<210>   33
<211>   382
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   33

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gtcttgcccc gactcagtac aatgcattat attagcgcga catagctttg gtctacattg 120

aattagtata tatagctaca ccttattcaa tccaagaatg gaaaaaggga agcagtggtt 180

aagaatgatc atgggtcaag cttgagtcaa gtaatctgat accaaaccga atgaaaatgg 240

ttaggttgag tgtgttaaat gtgactgtct caaccacaac taatcacaag tgggatgtgc 300

ctaagtcacg tcattatatt aaagattctg tgaatgaagg aagaaaaaac acacanaaat 360

aggggtagag tagggaaaag gt 382

<210>   34
<211>   460
<212>   DNA
<213>   Glycine max

<400>   34

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ggtaatcgat taccaaaaca ttggaatcga ttatagcctt ttgaatatat tgggaacgtt 120

gtaaattcag tttgaaaact ttttcaaact cttttagcta ctgagaatcg attacaacaa 180

tatgaggatc gattaccaga gagtaaaagc tctttggtaa agattttgtc aaaaactcac 240

14

gagctataca acgttgagaa aaaacctttt taatacttat attgatagag tgtttgatac   300

attctcaaat gttgaatgtt gaatcttgat cttgattctt gagaactcga gtattgagtc   360

ttgattatta accttgatgc ttgatgattg acatcatgaa tcgtgaatct tgatacttat   420

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<210>   35
<211>   320
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   35

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attttttccta aaatggatta tgaatatagc ttggatacta tggaaacaaa aaatgagtat   120

tctgatgaag gtgaagtagt accgggttta tccattaatc cggttagttt ttgcgcaaac   180

attgttccaa tgattaatgg taaatatggt ttgcattacc aaagtgaatg caattctaca   240

aagaattgca gtcctattgg ggggatgcca accaattgcc ttatattgtg tctttgaaag   300

aactggtttg ttagatgtaa   320

<210>   36
<211>   368
<212>   DNA
<213>   Glycine max

<400>   36

tcacattcac tatcctctac atcatattca aacttgacca aataaatagt acagtcatct   60

cgactcaaag aaggacatct aagtctcata caattaatat agaacctata tcctaatgtc   120

acatcctatc aaagcgtggc gctaccgcgt cctctagctt gaggctcttc atagtcatcc   180

acctattcat ctgctacccc gaacacagag cttgagatca tcacaggatg cgaacacaaa   240

cagcacaccg ggagtgagat atcacacttt taactactat agagaaacaa cacaacatat   300

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gatcacac   368

<210>   37

<211>   414
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   37

agcttatcat ctatttatac tacacatagc aatgaatact tattctggat cactgcttaa   60

tgaaattaag gatctgttta ttttacattg taaacaggca aatgtattaa tttaagattt   120

gtatctaaat tgttctcaac tatatataat tatatacatt ngtattaaca tgtataattc   180

tagcatacag gcagttttta gaaatatacc atgtgactcg atcatgtgta tgtttgagtt   240

gataatcttc ttggaggagt gttaagattc aacacatttg tattaatatg atgtgagagt   300

cacaaattnt tatcattttc aatatatttc aatcaataac aaagaatata tttaaagaga   360

ctcaacaaat atgtctctac tgtttctcac attattaata taatcaattg cttg   414

<210>   38
<211>   288
<212>   DNA
<213>   Glycine max

<400>   38

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cgaccacgtg tgccgtacat atcaccgacg catgtacagc cttgatgtgc cctctcctct   120

caacgggaat aacttcttgc acgaacgcga tataattgcc gatggctata tgattggcta   180

tgccgatcag aacgatgcgt gagatataat gagctacact gtcatggaca tgatccataa   240

tctgagacgc actgatacac tccctcaatt cttgtggatt gaagcatt   288

<210>   39
<211>   317
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   39

agcttgtcac tgtggaatta accaagtctc tgagggacgc gttcaaggat aattcgaaat   60

catatgccat agcgatctct tcactctgac catcaataat tactaccatg gtttctatct   120

ccaagatgtc aaccagaact gctacctttt gcctgagctt gaaggacgta tatgacactg   180

16

aatacaccaa taagtaatta atactacaat ctaatagctt aatacttaac agttgacaca 240

aatattaatt ntcattacct taatgttctg aagtgcacgt ctaaagtttt gtgcataaca 300

gtatcgccac taaaacc   317

<210>   40
<211>   435
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   40

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ttncgttatg agtatgatat ctcaagatta catttgattc acctcgtgat gctgcataaa 120

ttgagtatac ttcatcgacg ttgcaaatat aggtttagct taaactgatg cgctgcaccg 180

caggaaatag agtactacat tagcagtaac gcttaaatat ctacattatc agaatattcc 240

ataaagatta tatttaatcc ccatgctgat atgccagtaa tatgcctgct catattgatc 300

acaatatatg aagggatatg atgcacgatg cccacagaat taaatcatag acctgaactc 360

aactacatct gtgcatacac ataaaccaaa tcctaccatt gtaattttac accctcccca 420

aacccacaat gaata   435

<210>   41
<211>   285
<212>   DNA
<213>   Glycine max

<400>   41

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attagggggg agcagtttat aactggattt gtatctgaca gagagaaatc ttaacacaag 120

tcactctgac actcttattg tataacaaat taaggccact gagttgagtc cagctatcca 180

aaagctgtag gaataaaaaa tctattaaga gcaaacacac acctcgacct gtgttatgca 240

agtaaatggt aatgtaagcg actacgcagt agtacgggtt ggtag   285

<210>   42
<211>   452
<212>   DNA
<213>   Glycine max

17

<223>   unsure at all n locations
<400>   42

ttgatgatag anattaattg aatgatttat tattaattct tcttaatgtt tggacaatat   60

ttccaatatt agaaattaca aactcaaaag aaaccaataa ataaattcct agtaacaaaa   120

cttgtttttt ataatttcat atttatcaat atttattata taaataataa taaattataa   180

ttaaaaaatg aataagtatt atgttagata tttttataat aatataagat aatatctaat   240

attaaaaaat atctatcaat gagatcggtc acttgtgtta gctaacttac atgaaaagtc   300

aatgagatct gttacttgtg ttgcattggt gtagacgaaa cttgaacatc attagcaatt   360

atcaagggtc tcctatcatc acataaagta tgggtttgat acttaacaat aagcagacca   420

tcacagaaag gatatgatag cactctgact at   452

<210>   43
<211>   335
<212>   DNA
<213>   Glycine max

<400>   43

agcttctact tatgtggcag ggcgggcttc cttcaccttc ttgtctccaa cgcgaacttt   60

gaccattatt cttccttccc gcgatgcttc ttttcatgtc cgcctgagtg ggcttatagc   120

ctaaaccata cttcccacga tttccttggg tatttatcag gctagttatg ccgcccgtgt   180

ttttttcctaa acccatcccg ggttcataac cgttccccaa cataactcgg gccatcatta   240

tcgctgcatc ggacagacaa ggcttgccaa agagggagtc cacggaggaa atgctgacca   300

cctcaaaaga ctggaaagca gttctaacg attct   335

<210>   44
<211>   434
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   44

tgcctcanag agatccaaga aggataaagc agctgaagga actagttccg ctcctgaata   60

tgacagccat cgttttagga gtgctgagca ccagcagcgc ttcgaggcca ttaagggatg   120

gtcatttctc cgggagcgac gcgtccagat caggggacgac gagtataccg acttccagga   180

18

ggagatagtt cgccggcggt gggcatcgct ggttacccc atggccaagt tcgacccaga   240

catagtcctt gagttttatg ccaatgcttg gcctacagtg gagggtgtat gagatatgcg   300

atcctgggtg aggggggttag tggatcccat tcgatgcgga tgctctcagc cagttcttgg   360

gatatccttt agtgctggag gagggccagg agtgcaagta tggccaaagg aggaacccgg   420

ccgatgggtt tgat   434

<210>   45
<211>   408
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   45

agctntntgg agtagaaaca tgggaccaac tcattttatt tcaaaaagga agtcatatct   60

agtcaaggtc tgagagacca tacaagtttc ctaacgattt ctaattatgt gggccattaa   120

gtctatcata tgctgacaat agccgagaag cccatgaatc tcttcggtgg cggagtaagt   180

gtctgccatc gctttggcct tggctaacaa tcggtgaagt tcttgactcc cattcaaggt   240

aagagcaaac cgatccatcc acatgggtgc ctcttggtgt acagagtcga tcaccctctc   300

tctagcctct ttttccgcgt atacttgagc atagtcgccc gcaatcctat gctcgtgggc   360

cgaggctaga cctaactctt tcttgcgatg atagctagca tggtggct   408

<210>   46
<211>   74
<212>   DNA
<213>   Glycine max

<400>   46

tctcaaggaa gttttctcaa gagagcttct caaggaagct acctagtcta taaatagaag   60

catgtgtaac actt   74

<210>   47
<211>   358
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   47

19

agcttgaagc atctcatcat aggagatgat gatcacaaag aagcanagaa gggtagtagt   60

aataataata gtaataataa taatagtgat catgagagag gtggcaaagg aggatcaagg   120

aactcacttg gtgaacactt cacagaggaa gagaagcagc ataatcttca gctggttagg   180

atgcaacaga ataaggacaa cctccaaggc ttgaagttga agaagttggt gcgtcgttac   240

gccaaagttt tggngcattt gatgaangct aagcgtgatc ctcatctang tggtgatgct   300

gggaaaaaac ctgtnttcaa gttatcagcc tagccaggga aaattttgga gttttact   358

<210>   48
<211>   407
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   48

tgcatttcac gagcatcact ctttntcctt ccctcttgtg ttgtgacatt ntcctattga   60

gaatggaaaa ttatttccat accttcaaat ttgcaaagaa atgtatccca aaaatgctac   120

tctaaaatag gaagagagtt tgctctttgg tttttcgctg gtccattaat atactaaatt   180

agaagtcatt aaacaagctt tttcaactct cataattgtg gcatttacta ttgaaggtag   240

gggaatgatc ttaaacggat tgaaaatatt aagcaaggaa aattactgca gaaattctta   300

acaaatgaaa tcagaagtca ccttctctag acgctgaaga agagcggttn tgaattggcg   360

aacaccacgc ccacttgatt gcggatctag tctgtgagct agttcaa   407

<210>   49
<211>   420
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   49

agctntaaga cactagtctt cggccaactn tgttttaaca ccaaggcaat taccatggtt   60

gctcataaat ccatatttac agaacaaaat tgnggcatgg ngctcaatac aaatcanaaa   120

gaggttctaa atatgtatta gactaacaac ggcatccaat tagacaaaga gagacttagt   180

tctctaagaa tcaaattcgc atgcaaattg aaaattatag gatttggaaa atcatcacct   240

tttcccacct atctttactc ttcaaaaccg aanatgattc caactcttct cttttcctta   300

20

gagagaaata catgaagaaa ggatggatga agattattcc tgcacccaaa cggagattct 360

aggagcttan naattcactc tttatnatat canaatacaa ggaatcttan aaattactac 420

<210>   50
<211>   423
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   50

tcatgtttaa tcatacattc aatcttatta tagcaganaa ctcaaataaa aattctatta   60

aaaggtagca ctcgtggcat gagtccttat aaatatctac tacaaaagtt ttaaatactc 120

tgtccatgag gaaagcagtc cagtatcttc caatactcta tccattgatc catatttgac 180

cttttcccat accctccata tccaatgcca atggttcatc tccttcggga gcatcaaaat 240

aagtctgcgc agtttacgga ttgacttcat cagttntcaa cctagtggta ttttttttcag 300

tctaagttag gacattacta tgcaagatga ccttgtgcca tgtcaatggt tgagttcttt 360

gaacaactat tgctgactgc accacgcaac actatagata tcatttggag aggcaacatt 420

cat   423

<210>   51
<211>   401
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   51

agcttgcttc tacaatagtt tctctttacc tcatctgaag agttacgaag gttccataga   60

agaagaaagt ggctccaatt gcagaagaac cataaggtcg tcggttacat tattcattag 120

tcttgttcgt gattgattga tgtaaagatc ttgcaataat cgtcgaanaa caagtagatt 180

aggagccata tacggattaa ggtatttcat ctaatcttta ataatgaggc atgttgtaaa 240

tcctagggct tttggtagat tgttctaggt tacgcacatg ttgaattnta gcttccgcat 300

aaagaataaa gaatacggat canaagttaa aattctaaca actataagat gaacatcagt 360

tgccaaattc tttgcacatg cattggatnt aaagaacaaa t   401

<210> 52
<211> 464
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 52

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tagactaagt tcagcctacc atcctcagac tgatggccaa actgaacgga ccatttagtc    60

attggaggac cttttgaagg cgtgtgtctt agagcaaaaa ggaagttggg agagttttct   120

tccattaata gagttcactt ataacaacaa ttttcactct acgattcata tggctcctta   180

tgaagctttg tatggtagaa ggtgtaggac acccctatgt tggttaaagc ccggagaagg   240

ccttacctta ggaccggaag tggtacaaca aaccaccgag aaagtcaagt taatccagga   300

aaggatgagg actgctcaga gtangcaaaa aagttatcat gataagagga ggaaagatct   360

gaaatttgag gttggtgatc atgtattctt gagaatcact ccgtggactg gggttggtcg   420

agcattgaaa tcccgaaagc tcacacctca ctttatcgat cctt                    464
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<210> 53
<211> 342
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 53

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cagaactcta acccacaatt gtatttcatc cacagaactc taacccacaa catactagga   120

tcttcaatca tatatcatcc caacatgaat aaataagact gattaagagt cctcaagctc   180

ttaaatccaa gcccccttg atctttggat ttacaaatca tctaagaaat aagatgaggt    240

gttctgttat ttgcatcact tcctgagata aagtctctgc agaagctttc aatctcatta   300

cgaatagcaa tcgtaataaa ggttgcttca agaacataag ta                      342
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<210> 54
<211> 460
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 54

22

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gatttattta aaagataata tctcccaaaa aaatgttatt atattcaaac tgattaatat   120

gaacatgaaa aataaacaaa acgccttata aaatttagat ttaggaaatt atttttaatt   180

actttaggaa atgttattga tgtcacattc aaaaagtatg tgaaaggatg agtgataaat   240

cataaaattt ggctgctata agttatatcg ataagattaa atttaatttt taactcaaga   300

attaaggaaa gctttcataa aaagagaaaa atcaaatttt catttgacat gataatggtt   360

agagcctaaa aataaaatat aaattaaaaa tatacatatc aaaatacatc taaattaatt   420

aaataaaaag tactaaattc attggaaact agaaaatgga   460

<210>   55
<211>   371
<212>   DNA
<213>   Glycine max

<400>   55

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accaacacgc tctttcccac cttctctctg tctctcaggt atatttgcaa ttcatgcata   120

ttgatatgct catatgcaaa aactagtttc aaatttatt cttgcgtatg gtgtttgttt   180

attatatgca tagtttgtca atcttcctta aaactttatt ttaatattaa tggtatgtat   240

tgaatgtttt taatggttga gataggtagc actgacacag aagtgctgaa tttattggca   300

gttgaaagga gaagagatac ttgagcaatt cgaagcttct agttcttctg agccggtcgc   360

ttctataact c   371

<210>   56
<211>   459
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   56

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gatgaagcta caaaggagaa ctttggtata ggaatgggct taattgtaga aaccatcacg   120

gggagatcct aggggttgcc atgagcatgg tgaaccattg ttatcgaaca cacatggcat   180

aagctgtagc tttcaaatgg gccttaaaga tagctaagga cctctttttt tttttttttt   240

ttgacattgt catggaaaca gattgcttga agattgttta gacttggcac aacacaagga   300

agttttcaac ttcctatttt gaaggcatcc ttgatgattg tagagagctg cagagtagag   360

gttttcatac gttcaaaatg tcttttgtaa agcatacagg aaacaaagta tatggttcgt   420

tagtgaattt agctcttggt tttagggaac gttattgga   459

<210>   57
<211>   423
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   57

agcttctaca ggtggtcagt aagaggaata gtgtaaggaa ttatggaaga ttaaaattcc   60

tagcaaaata acagtttttg cttggtggct aataaaggac agactaccaa caaggatgca   120

tctgcatagg agacaagtgc aactgcagga tctacgctgt cctttnttca gagaagctga   180

agaggagtca tctcatttgt tcttccattg cgtcttcatc caaccaattt ggtgggaatc   240

gatgtcttgg ttgaatttac aaagtgcctt tcctcttggg cctaaacaaa attttctaca   300

gcatattttc atccaagcag aaggtttaag gattaagaga tggagatact ggtggatggc   360

agtaacttgg gccatttgga aattcagaaa cataattctg ttttcaaatg cagaatttga   420

tgc   423

<210>   58
<211>   467
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   58

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gcactaacat ggaaaatgaa gtttgccaac gtgatgaata aatgatctag agcaaaaagg   120

cactgaaggt aaacgacatg gcccattcaa agaaggaaca taagtaggtg ctatcactag   180

tgcaaaaaat gcatattaga tcaacttttt ggatcagctg tatgagcact gatttttttt   240

aagaaatgca ataacaattt tgtaaatgaa aagaatgaaa tcggtctaaa aaatactacc   300

ttttggactc atggtttgga ttgtaagaaa tttttgcatc gtattagaaa catgagtcat   360

attaaaacaa atgttgaatc gttntanaac aaatttacta tggaattntg tagcacatga   420

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<210>   59
<211>   361
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   59

agcttccttg ataagctaga gcttagctac acacacccat ctaanaacta agctcacctc   60

cttgacaaaa tacatgagaa tacaaaaaaa aagtccctac tacaaagact actcaaaatg   120

ccctgaaata caaggctaaa accccatact aatagaatgg ccaaaataca aggcccaaaa   180

gaaggaaaaa cctattctaa tatttacaaa gaagagtgga tccaaccttg acccatgggc   240

tcaaaaatct accctaaggt tcatgagaac cctagggcct tctttagtag ctctagccca   300

agcctcttga agtcttctat ccatacccct tgnggggtag gattgcatca ttctgcatat   360

g   361

<210>   60
<211>   450
<212>   DNA
<213>   Glycine max

<400>   60

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cattaagaac tagctctttt cttcctctat tgcctttagt tgaatacacc tttgtttgat   120

tctctatttg gttcttaacc ctctcatgca tcttctttac aaattctgac ctagattccc   180

cttctttatg tataaaagaa gtgtccagtg ggaggggaat gaggtctaac ggtgttaggg   240

gattgaaccc atagacaacc tcaaaagggg actgcttggt ggttctatga acccccctgt   300

tgtaggcaaa ttctacatga ggaagatact catcccaaga cttatggttg cctttcagaa   360

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gatgacatgt ggtagagaac agaagtttag   450

<210>   61

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<211>      247
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      61

agctttgtga atctcctgat ctagcgccac ccgatgatac tcaaccattc gaagntgaat    60

gtgatgctag tggaattggc attggagctg tcttgataca caacataatg cctatagctt   120

atttctcgga gaaagtggga agagccttgc tgaattattg cacctatgac atagagatct   180

atgccattgc gagagctctt gatcattgga atcattattt tgcggctaat cactttatat   240

tggattc                                                             247


<210>      62
<211>      442
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      62

taccatcctc agactgaggg ccgagatgac atgaccattt agccactgca cgacctttag    60

aacgcgcgtg tcttatagcc tataggaggc tgagagagga ttcttccatt aatagagttg   120

acttataaca acaattctca ctctacgatt catatggctc cttatgaagc tttgtatggt   180

agaaggtgta ggacacccct atgttggata aagcccggag aaggccttac cttacgaccg   240

gaagtggtac aacaaaccac cgagaaagtc aagttaatcc aggacaggat gatgactgct   300

catagtaggc aaaaaagtta tcatgataag aggaggaaag atctgaaatt tgagggtggt   360

gatcatgtat tcttgagaat cactccgtgg actggggttg gtcgagcatn gaaatcccga   420

aagctacacc ttactttatc ga                                            442


<210>      63
<211>      371
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      63

agcttatcga gaaagaaat tgtagaatgt ttgtaaacaa cattgttaag ttcaactaaa    60

accctttgta gagcattatt cccaagtgct gtaagaccaa ctgtaaaaga aaaaaaatta   120
```

aacacttgac aatggatgca tgcactacta tcactatacc agctagcttc attcgtctct   180

ttcaagcatc tatagcaatt ctttgcaata naatcttgaa actaacactt ggacagctag   240

atctaaccgt tgttgtcgga gtgtgaccaa attaatggtt atatttatta tgaataattg   300

aatattanaa tactcttggc agtgcatacc tacanagctc acttgtggga caaaacatta   360

cgggtcttaa t   371

<210>   64
<211>   442
<212>   DNA
<213>   Glycine max

<400>   64

gtgcttccac aaaatagtct cggccgaaag acgctgacat cttccggaaa ggtgcagatg   60

accacattgg tctctgcgtg tcatcggact tggggtctcc gaataacgag gtgcggataa   120

ccgtaaagtg ctctgcatgc catcgaactc ttgggtcgct ggatagcaag aaggtgacac   180

taaatagtct cagtcggaag acgctcacag ctccaggaag agtgcagatt accacattgg   240

tctctacgtg tcattggact tggggtgtcc gaatgatgag gtgctaataa ccgtaaggtg   300

tctccgcatt ccaccggact cttgggccgc tggatagcaa aattgtgaga caaaaattgt   360

ctcgaccgga agatgctgac atctctgtca dgggtgcaga tgaccacatt ggtctccatg   420

tttcatcaga cttgggatct cc   442

<210>   65
<211>   376
<212>   DNA
<213>   Glycine max

<400>   65

aaaattacta catatcatcg tatgcttata cctacacgca tttttgcaac ctccaattgg   60

ctctatagcg gaggtacaaa aactgcatca cgatcagctc actatacgaa aactataatt   120

caactcaatc ctcgccaatg tgtatggatg atctacgcag gagcatgaaa cagacctcaa   180

cacacttgca tgatacttag agaacagtgt gttgcgcaaa aagtctgcgc tatacttgcg   240

ccttaaccac aaggcgctat atccactgaa cctgtactgg ttagaccacc acctacggct   300

cgtagctcac acaactttag agcacctatg ttgagtccta tccacccata acgcacgctt   360

aagaatatct taagcc   376

<210>   66
<211>   370
<212>   DNA
<213>   Glycine max

<400>   66

tgcaggatga ttgggtttta ctttatgctg atgacgctac acaggatagc tttggtataa   60

gactgggctt acttgtacaa accatcgcgg cgagatccta tgggttgcca tgagcatggt   120

gaaccattga tatcgaacac acatggcata agctgtagct gtcacatggg ccttatagat   180

agctagcgac ctcttttttt tttttttttt tgacacttgc ttggaaacgt atcgcttgaa   240

cattgtttag acttggcaca acactaggaa gctttgacct tcctattgtg aaagcctcct   300

tgacgattgt tgacagctgc acagtataag aattcatacg ctcaataagt gttttgctca   360

gcatacagga   370

<210>   67
<211>   378
<212>   DNA
<213>   Glycine max

<400>   67

agcttgggca tagcaaatga gaaaaatgag tgacaaatgt gaaagcaaga gtcatttcta   60

gggtaaattg ggtgttgagg ggtcaaatct tgaatcggta gagttttcgc cttacaatca   120

ctttgagcaa gtctaaatta atgttatata ctcgtttgag atgagaattt actccaaaat   180

taccccattc tcattttcac ttctcaaacc ttgaaaattc actcaattaa tgggttttgg   240

atacctagat ttggatttac cttgatctga agctggtttt tgcgttaaat acaatttata   300

catgatttac gacttgtagg atccaatttg agcaaaaatg gatgtgggca agaatggatt   360

cgaaatctgc cctattat   378.

<210>   68
<211>   296
<212>   DNA
<213>   Glycine max

<400>   68

```
ttatgttggg gcccacatgg atggtgcatg aatgtataat cattatcgct atatgcatga    60

cctggaaatg atttggggca ttcccttatt cctgaaccac ctgtgaaaca gacagcccga   120

catacatcat gtctcgccac ttggaggcct tttgagccaa acattaactt ttggccataa   180

ccttggccta agatggaaat ttccaacctt accctccgaa gagagaacaa acgaatcttc   240

ccaaacgaag cttctttttac cttgagttat aagtgtcgag ccagacaacc gattag       296
```

```
<210>        69
<211>        365
<212>        DNA
<213>        Glycine max

<223>        unsure at all n locations
<400>        69
```

```
atctntatgt tgngcaacac tgaaatacag actaaaaaag caaataaaaa aatatgctaa    60

aggcgactga agcaaaaaga dacaaaagtc ctccaaattt tacaaggaag gcatagaagt   120

gtaatgagga ttaatgtata agacaaatgg agtagagccc agcccaaata gttgaaatga   180

ataaagtaca actaaggctc tcaaggntct tactcaatat aacccttaaa cactctntga   240

gcctttctga tcctttcttt catagccttc gtacccctga ccacgttaca agcccaacaa   300

agcccatgtg gatcaaggaa ggactaatta tgcttttgag tttggattct ggaatagaac   360

ccaca                                                                365
```

```
<210>        70
<211>        321
<212>        DNA
<213>        Glycine max

<223>        unsure at all n locations
<400>        70
```

```
nttcatatgc accaagaata gctcaataca cttatagaac tctcagatac aatgataaga    60

atgaactcat acttttgatg aaattccata ttgagtgtat tgtggaaacg acgcacttca   120

tgtgatgtgc attgagcaga tcttcattct acaacagatc ttcttatact ttagctattg   180

attacttctc atggcttaaa gttttactct tcatcagtga gcaatttgac ttcttcattg   240

cataacataa ccagagacac tttcgagccc tctttttaagc attctcgcca atgatccttt   300

ctgaatgact catgacaaca c                                              321
```

29

<210> 71
<211> 311
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 71

```
agcttgtaga attcacccca atttcgatga cctatgctaa cttgctccca aatctactcg   60

ataattcgat ggtagccata accccagcca aggttcctca acctccattt ttccgaggat  120

actacttgaa cacaacatgt gcttatcgtg gatgagttct agggcattcc attgagcatt  180

gtangaccct gaagcataag gtgcaaggtc taattgatgc gaggagaatc gcttgtgatt  240

tctgaaattg caagcgacac catacatggt gcaatttgaa gggtgttgtt agatgtctct  300

aatgactcat t                                                       311
```

<210> 72
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 72

```
nttcacanaa tcattaccaa agagttntac tctctgataa tctattacca gaaggtacta   60

atcgattact agtgttttaa aacattaaga tttcaaattt caagagttac aacttgtgtt  120

taaacatttt taacttgtgt aatcgattac acaatacttg taatcaagta ttgtgttatc  180

gattaccagt gtttctaaat gttttaattt tcaaaattca aaatgaggag ttacatctgt  240

tgatgtgtgg taatcgatta ccagtgactg atttcgaaaa atacatttcc aaaagtcaca  300

attactcaag tgacttgttt ctgaagattc tttcaaaagt cacaactttt taagtgacta  360

gttntaaaga aattgccaag agtcataaac tntgacttga gttatcaaga gattataagt  420

atg                                                                423
```

<210> 73
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 73

agcttgccac ccagcttgcc caggcgagca aggttgcttc ctccagaagc aacaaccttc 60

tggaggaatc ttctggaggg cccaagtggg ccttggtgct atttgcaccc ccattttac 120

taaatacacc cctgcccttt tttggtgatt cttttttcgt aaagttacgg aaacttacga 180

atttcgtaac gatacttatt ttctttccgt aatgttacag aaccttgcgg attacataat 240

catccccttt ttgacttacg gaatgttacg gaacctcact atttgtgcaa cgatgcttcc 300

tttttgatttc cggtgtgtca cggaaccttta cggattgcgc atcaatattt tcttttgatt 360

tccgcacgtc acgaaatttc acaaatngcc taatgat 397

<210> 74
<211> 465
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 74

tgttagaact atcatcacat gacgctntat tggcacagaa catgttgctt tctaagcaac 60

ttgagattnt aacagaaaca ctcggtaagc tgccaactaa attgtctatt ggtcaaccta 120

cacactcttc tgttttgcag gttataggtt gtaccatctg tggtgaggct catgaaatgg 180

gccaatgtat tcccactaaa gaaaacactc aagaaattca ttatatggga aatcaacaac 240

gacaaaggta tactcaagga ggattttcag gcttccagca gggtccctat aatcaacaag 300

gacagtggag gacacaccct gncaaccagt tcaacaaaga ctagaatggg ccttcaaaca 360

gtccaatcca acaagggcct aacatattca agaggactac taagctggag gagaccttga 420

ctcagttntt gcaggtaaca atgtcaaatc atanaagcac tgagt 465

<210> 75
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 75

agcttatact caataagagg atcccgctgc gcatatcccc gtaaccccac ggcttgctga 60

acaaatttta gtgcctgcag atgttctttc cacaggcgat cgatattgct taagattagg 120

31

```
aaccgctctg cttctttcat caagcctgct gcttgttgct ccacaatatc ctatggggca   180

gcattggttg taataaaaag gtaaatttaa aaagaaataa atggtaaaga aaattatgtg   240

aaaagacaag gccactgaac caattcaaga cgactcaatt tttagacatg acacatgatg   300

gtaaaagtcc aaccttatat agcacaaagt tattacaagt tgcactgagg tttgataaat   360

ccctctcccc ctttcccgan aatgtataat caattacttg atttaaatca cttatctc     418


<210>      76
<211>      399
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      76

tgcctanaga ggtccaggaa ggacaaggca gccgaaggaa ctagttccgc tccggagtat   60

gacagtcacc gctttaggag cgttgtacac cagcagcgct tcgaggccat caagggatgg   120

tcgtttctcc gggagcgacg cgtccagctc agggacgacg aatatactga cttccaggag   180

gaaatagggc gccggcggtg ggcatcactg gttactccca tggccaagtt tgacccagaa   240

atagtccttg agttttatgc caatgcttgg ccaacagagg agggcgtgcg tgacatgaga   300

tcctgngtaa ggggtcagtg gatcccgttt gatgccgacg ctatcggcca actcctagga   360

tatccgttgg tgttggaaga gggccaggaa tgtgagtat                          399


<210>      77
<211>      397
<212>      DNA
<213>      Glycine max

<400>      77

agcttgctgc tattcttgta tatgtgtact gagatatttt ccttgagctc tgatgccaaa   60

aatgatttat ttgcatgtta aaacatagat ttaaccttaa atttcaccca aatcatagtt   120

ttctagcaaa agttacaaat aaaataagtt taaggacctt tagtaaaatg aaaatatgcc   180

ccatatttgg actgagagtg acaacagtat ggactatttt tattaacgtt ttgacctcaa   240

aaatgagttt tctatgtttg aaaatgtatg gtagcgtata atatttgtga gaatccgact   300

aacagagcac caagagcact aaacataagg tatgagcgaa actgtgaaga actgagtcac   360

aaagagattc tattaccgta gatgacttaa ctttgga                            397
```

32

```
<210>      78
<211>      461
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      78

tgataaagag attntgatag aagactntga ggccaaacta ttccaatata aaatgagatt      60

cttttaacaa tttaactaag tccttatttg tgattttctt gatcttattt gttgacttgg     120

aacaatgtgt gctttcatca agtaaattct tttggcatca tcaaaacctg cacgattcac     180

atttatgtca ctcaacctct aggttttgag atcaaaagga aggaattaat ggtgtacaag     240

ttgaataagg ccttgtatgg tcttaaacaa gcacctagag cctggaatag aaggattgac     300

tcatttttca tttagaatga attcaccaag tacacaatgg aatatgatgt atatgtgaaa     360

aggaaaacta agggaatact tttgatttgc ctatatgctg atgatttgct tgtgactggc     420

agcaatagtg aagaaataga gaaattcaaa gttgagatga t                         461


<210>      79
<211>      347
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      79

agcttctcct attctgtgac tcttccgttg gaaaatcctg cttgcttctc agattcgctg      60

tgagttatca ctttatttgc ttctcctaat ctctccttct gttcacttcc tttgtttctt     120

tgtttcgttt caggatgact cctatgtcga cagctacgta agtactattg gagttgattt     180

cgtaattatc actcttcttc tcttttggta tttctattta tggcccaaca ctcattctta     240

tttatttcg naaatcaaac catgggcttg gaagggaaac cgccagctgc agattgtagt     300

attctaagta gtggcgttgc cacgatcata tagcagtgta ggacttt                   347


<210>      80
<211>      445
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
```

tcagggtata aagaaacttc atgagccttt gttttttaagc tataattcgt attgctcgct   60

tagcgcacag ccgcccttat cgagtcaata taacgattgg ttttaacaaa gccttgtgct   120

tagcccaacc tcgcgctaag cccaattcca aattttcaaa tcccagagag ttttggggct   180

tagtgcagta ggcctgcgct tagcactgtc tgcaactcaa aattgttctg caatttgcgc   240

ttagcatgag atgtcaggct tagcgctaaa tcaagctcta acttacaggg atagtccang   300

cttagcgcat ggaatgcgct aagcataatt ctatgagttt caaaaatagt gaaggattgg   360

cgcttagcgc atcttgtcgc taagcccaat tcatgaaagt tcaattccag ggaggaaatt   420

gagcttagcg cangacagcg cgctt   445

<210>   81
<211>   387
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   81

tttctttatg attcattcta tgcacccata gaggtccaca ttgtgtgtag agcatttta   60

ttctcgttgt gtgtactttt tatacgccct gtcgacgtgc ttaagccatt ttacttaagt   120

cggttctcgc ttaacttaaa aataaaatag acttccaccg aacgtgtgaa ttgattcata   180

tctgacatca tattgagttt ataagcatct tcttgaaaag ttgaacaagc ataagacatc   240

atattgtaaa tcaaacaagt actaaaacta tgcaaccatc cgtgtttcat actttcagta   300

tcgtgtttaa attatgatgc atatcanatc atcatgaaat tcctccactt ttgaaagcac   360

caatgaaatg ttcgtctcat ggtcagt   387

<210>   82
<211>   294
<212>   DNA
<213>   Glycine max

<400>   82

cccgcctcat gcctacgata gcaacactct aatacttcca taacgttagt agttatccat   60

aaacctcgct tagtttgcct atgagcataa actagagtgt gatgctacat agatttaccc   120

tgcaccacgc cattagttag atgagtatgc gtaaccacat agaaccactg attcggaaca   180

tgatatacat atgacgatga gttattctga tcctagatat aattaggatc cccgttgtac 240

atcggtggct catgcacttt cgacttagac accaactatg gatgagtcga ttac 294

<210>   83
<211>   315
<212>   DNA
<213>   Glycine max

<400>   83

agcttctatt attagctgaa ccattgtatc tatacacaca agctgagtgt tattcagacc   60

attagagttt atctctttta tcttagtgag agtgattctc ctaaattctt gagtgattca 120

agaacaccct ggctgtatca aaggactttc acaacctttg tgtgttgccc tcgctggaaa 180

gagtgattct ttccttccta tcatctccac ccttgttctt tcaaaccaca attccagaaa 240

atccacctct gcccaaaatt atcttgtgac cataactccc atgttacaca ctcagattaa 300

gtgattcttg agcct   315

<210>   84
<211>   449
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   84

ctaacatgcc gccttactgc cgcaagcctc tttagtctct acataacgtt gcgaatgtca   60

caagatgcac ttgggaaact atcgactgac ctggctattg tgcaacctgc acactctaat 120

gatttgatgc tatacggcgc accatatgag gagaggctca tgacttgagc ctgtggatta 180

tcactaacga taacactcaa gagattcatt atatgggagg tctgctgcga ctcctgtatt 240

ctgccggatg attgttaggc gtccagcagg gtacctataa tcaacacaga cagtggagga 300

cacaccctct caaccagatc gacgaagact ataatgggcc ttcactctgt ccactattac 360

aaggggctaa catactcaag aggactacta ggctggatga gaccttgact tcagtnttgc 420

aggtagcaat ggcaaatcat aacagcact   449

<210>   85
<211>   361
<212>   DNA

35

<213>   Glycine max

<223>   unsure at all n locations
<400>   85

agcttcagac tgctcaattg ctccaggctg ctgcatggaa gggcaaaggt ctgtatggtg   60

gtcagcagag gagcacaaac cacaaaccct tgcgacaggt acagatttct gattcaaggc   120

caactgggtt accaagttga ccaacgcatc cagtttgcct tcaagcttct tagtttcaga   180

tgatgcagat gggtttgtag ctacctcatg cactcctcta atgattatgg catcatttct   240

ggcgctaaac tgctgngagt tggaggccat cttctcaatt aaatttctgg cttcagcaag   300

agtcatgtct ccaaaggctc caccactggc agcatctatc atacttctct ccatattact   360

g   361

<210>   86
<211>   344
<212>   DNA
<213>   Glycine max

<400>   86

tgaatctctc tcaactgctt cttcttcttc tttgtaccaa aagttttctg aagatgtctg   60

gctctccaaa ccttgaaaac ttgcgctatt catcttttca ttctcttctg cctttgccaa   120

aaagaattcg ccaaggacta accgcctgaa ctcttgatgt gcctctcttc tcctttatac   180

aaaagaacaa aggactaacc gcctgaattc ttttgtgtct cccttatgcc ttgacaaaga   240

actctgaacg acacaccctg agaattcttt tgattattgc cattccctaa tacaaaactg   300

tcaaaggact agccgcttga caattgtttt cgatccccat tcac   344

<210>   87
<211>   402
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   87

agcttaccat tataaagaag cttgtgagga agagtttcca gccaaaccaa caagttctgt   60

tattcaactc aaggctcana ttgtttcatg gcaagatcaa gtctataaca gccgtaactt   120

ttaataaata aataaataaa taaataagta aaaataaaat aaaataatat aattaggtca   180

taaatttcca ctatataaat caaatgttaa cctagagcag cttttacaaa acacttatgt   240

ccctttctct tcttctgacg cacaagaatc ctaacagagc aactggagga ggagctctag   300

agagcaccag agacgccaca attgctaatg gagaacgatc gagggactac atcgaggtaa   360

gggatgagtt attcacgctt gnggattaga attaacatgt at   402

<210>   88
<211>   451
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   88

tgtaatcgat tacacacata ctgtaatcga ttaccatagg agttnttcag aanacattct   60

caatagtcac atctttttgt gtggttcttg aatggctatc ataggcctat atatatgtga   120

cttgagacac gaatttgaaa agagtttttc agaacaaaaa ggtctgatcc tcttataaag   180

caaaatcgcg ttatcctctt acaaattcct tggccaaatt acttgtgatt caataaggaa   240

ttatttgagt gctcaaattg ttcaatctat ctctttcaag agagattact tcttttcttc   300

ttctttattc tgaagaggga ttaagagacc gagggtctct tgttgtgaaa gaattctaaa   360

cacaaaggaa gggtagtcct tgtgtgttta gaactcgtac aagaaattta caagatagtg   420

gaactctcaa gcgggttgct tggggactgg a   451

<210>   89
<211>   563
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   89

gctcgcctca ctcacctcna cctntcatac tccgagactc ctatacatac gtagctgtaa   60

ctatagtcac acgactctgc tcctaagcct cgcaccgcac nntttgtttg catgcatgca   120

catacaggcc attcgagtcg gcacccgtga ttctgtatat ctgcctgnat gcatgcaagc   180

ttgttttata ttctcaccac ttgagatgat gacaaccctt gtatctagaa acacataccc   240

atactctttc cctagtcgat cactcactta ataatacata ttctcgccct ttgattttga   300

gtttatgctt cacttcgaat tagatcaatt acttacgcga gtccttgatt taatccctat   360

```
ttccttcccc ctttggcatc gacataaagc acaagggcgc caccaatctt aaacatacat   420

acatgaccaa tctttgcaat atagtcgttg aaagaatatc ttgccgacta gcaaaggact   480

gcgtatgcac caaaatattg tccaacagtc attgagatga cggaattgtg gccatcatta   540

tagtgcaaaa gaactaatta tcg                                          563


<210>       90
<211>       559
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<400>       90

ctccctctcc ctctaccgct gtccgtactc gtcttgagct tgacctctat cctcactctc    60

ctatcccccc tcccgccncc ttgattgatt cttgcgtggc gtgacctata catactcaag   120

ctctagcatg aagacagtac ctcagatgga gactttcatc ttgatgatac tacacaattc   180

gcgataggtt ttttataagc agagtggctc acgagaatct ggtcctaaat gtttccccaa   240

gcgcatgcaa tctctgggaa tccattacca caatagtgtc gtcgcttact actagcagac   300

tgcgcttaac actgtttcgc actgaatgta cgtcgtccct gtggacttac aatgagatgt   360

catgcataac gctgtgtcgg tctttcactt acagtgacag agaacgctta actcctggtt   420

cgctcgtaaa caggctcata ctattccata gactctcggt gagacggact cactgcatcg   480

tggacgggta cccttgctgg ctatgaaatc ccatgagagg ttctcctaga cgggtctgcg   540

ctttaaagtg ctctacatc                                               559


<210>       91
<211>       396
<212>       DNA
<213>       Glycine max

<400>       91

agcttgtaga attatggggt acccatcaca tgtggtacta ggtggcggtc gggcgatggt    60

gcacaacaag ctttccacat acacaatgcg cgcataaacc caccatcccc tgttgcccac   120

ctccaactga gctcacgtac tcccacgtag cccatatcct cgtttctctc aacaccgggt   180

ccccatcaat cctctcaagc ttccacaaca tccaagcaaa acaacattca aacagcacaa   240

gctatcacag ccaagcaaaa cagagccaag gcagaaaact ctgctcaaca catcaaccaa   300
```

38

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aatcacagct tttctcacgt agagaccaca gtaacaattc cttcgatcca attcgttaac  360

cgctggatcg actccaaaat tatactggaa gtctat                            396


<210>      92
<211>      360
<212>      DNA
<213>      Glycine max

<400>      92

cttacgacca cgctctctcc actattttac tctcaaatga tctacattca ccatcccctt   60

tgtacttaca cccttccatt gtctatacac aagacacatt gatcttccac tggtgatgaa  120

tatgcaaggc tagacactcc atctatccaa ggagctactc caccactggc taaatatata  180

tatggtctat tcatgctact atctgcgaga gtggatcata ttcttgaatg ctagtcttga  240

taatcatgaa tatgaatatg ctgaccaatg ctaatgactc acgttatgga ttcatttgct  300

tcacttcgaa gatagacaca aagtgtttgg atgaactctc acctaatttg agatctcaat  360


<210>      93
<211>      407
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      93

agcttctatc agtgcaacaa agaccttagt ttgttgatat ggcaaatttc aaggctgtag   60

gagtaatttt gaaggaatga attggcacta gaagaagaaa ttctttaagg atgctaatca  120

ttatgtgcgg gataatcctc acttgctcaa gattagagca aataaattga tataagatgt  180

gtcattttgg agcattcttt ggcattatca caattcacct tatggnggcc attttaatgg  240

agaaagaagt gctgccaagg ttctccaagc angaattttg tggcccatgc tatataaaga  300

tgcacatttg tatgtgacac aatatgacaa atgccacaga aaatgaggaa tttcaagaac  360

gaatgagatg gccttgaaca acattcttga agntgaagtt ttgactg                407


<210>      94
<211>      287
<212>      DNA
<213>      Glycine max
```

39

<223>   unsure at all n locations
<400>   94

tatgcgtgaa tctgggacct accatggcgg aagtctccac agaggccatt gcctccctcg   60

cccagaatta tgaccagtcg ttcaggtgct tcactttgt ggacttacag ctatcaccca   120

tggtggaaga atctgaagag atcctatgat gccctctagg gggaaggaaa ccatacctct   180

tctcangatt ctatgcctct ttagctagaa tttctaagat agtccatatc tcggcgcagg   240

aattacacca cagaaagcaa gtcgaaaatg gagagagtgg agtaccg   287

<210>   95
<211>   380
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   95

agcttcggaa taaagtgatg aggtacaagc cctaaaggca gagcttgaaa gagcccgggt   60

agtcaaagag aagttcaagt ccatagccat canagtctga agagagtatg atgaactaag   120

ggacgtcaat atggccaccg ctgaagcctt ggaatgagaa accatgaagg cccgaaagga   180

agaacatgac caaaacaaag ttntgagggg ctttataggg cagcaatagt gagctcaagc   240

tccaaagagg tgaaaggaat catcacggnt caaaggcatg atcttgaagg acgagctaaa   300

ggcttgcctt angtcgaaaa gaaatttgtc ccaacagtta aagtgagact gaanggaata   360

tgtgggccat catcgatgag   380

<210>   96
<211>   432
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   96

tgtaatcgat tgcacacata ctgtaatcga ttaccagagg agttnttcag aaaatattct   60

caacagtcac atctttttgt gtggttcttg aatggctatc ataggcctat atatatgtga   120

cttgagacat gaatttgata agagtttttc agaacaaaaa ggtcttatcc tcttataaag   180

caaaatcgtt ttatcctctt acaaattcct tggccaaatt acttgtgatt caataaggaa   240

ttatttgagt gctcaaattg ttcaatctat ctctttcaag agagatttct tcttttcttc   300

```
ttcttcattc taaaaaggga ttaagagacc gagggtctct tgttgtgaaa gaattctaaa    360

cacacaggaa gggttgtcct tgtgtgttta gaacttgtaa aaggaattta caagatagtg    420

gaactctcaa gc                                                        432
```

```
<210>      97
<211>      370
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      97
```

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agcttgcaga ctataccttc gaccaaacac ggccgtgttt ctgtctcggc ccggatttaa     60

agcgggttgc aacaccggct ccgcttccct aactgtactg gaggcggntg ccgtggcttt    120

gtcctctatg gttntctgga gttttaacat gacctccgag atggaagcca tttgatcttt    180

taaggccgat agatcgacct tcatctgttc ctgctcgccc tcttcattat ccanttttct    240

ggattgagtg ttataggggt gccttggtgt tttcttagtt atgatgaaat tcctaaagaa    300

ataaacaacg gtgagtatgc caccaaaaca tgagtatgca aatggatgat cggagcactt    360

ggatccaccc                                                           370
```

```
<210>      98
<211>      458
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      98
```

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tcatcatgaa tcaacaatga ttcanaggtg ttntgatgat aacaatgatg acaacaaaag     60

atgatgacaa aggtgatgaa caaaaagctc aagtgaatca aagaacatct caagtaaatc    120

aagaacaagt caagagttca agaatcaagg agaattcacg actcaagaag aaagcctaga    180

atcaagaatc aagactctct caagaatcaa gatcaagatt caagactcaa gattcaagaa    240

tgaagaaaag actcaatcaa gataagtatt aaaaagtttt ttcaaaactt tgaataacac    300

atgagttttt gacaaaacct ttaccanaga gttttttactc tctggtaatc aattaccagt    360

agcaaaatga gtttgaaaaa agttttcaaa ctgaatttac aacgttccaa atattttcaa    420

aaggctgtaa tcgattacaa tgttttggta atcgatta                            458
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```
<210>      99
<211>      349
<212>      DNA
<213>      Glycine max

<400>      99

agcttctata aaggttctta tggactgctt gtctcatcat tccagtaata ccttcaccca      60

caatattgaa aagcaaggga gctaggggat ccccttgcct caaacccta gaaggattaa      120

actccttaga agggctacca tttatcaaaa ttgatatcga tgctgagtgg aggcaagctg      180

atatccaaga tctccatttt ggacaaaaac ccattctgca cagcatgtaa tccagaaaag      240

accaagaaac tgaatcgtag gcctttcaa agtccacctt aagaatcatc acaggtttct      300

tatttctcct tgcttcctca accacttcat taaggatcag aataccatg                 349


<210>      100
<211>      432
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      100

tatcaaccaa atacccacgt tntcaaactc aaagtatatt acaattacaa aacataaata      60

agaaagatct tcacatctat aaaaagactt aatgaacatt aacagaaata aaacctacca      120

gaacctgtaa gtgaaagaaa atatacagac ccatgtaaac tatagaacat agatctaacc      180

ttttaagtgg aaaataacat aaacgtagaa gtatgcaaat gaagatttac caaatgaatt      240

cagtaatagc aactttacct gaaagtgtaa actgttaatg cagcacccaa tccgccaaaa      300

caatgggacc atgatcctct ggaactctac catgttaata acttccaaaa tttcttccag      360

ttcacccaga aacatcacct ctttctgact atttgttgct ggccaatatt tcaacaagcc      420

gcttatcaca at                                                          432


<210>      101
<211>      406
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      101
```

```
agcttgtcaa ggccctaagc atggacaagt gttgttcagt gttgagagtg gtagccttga    60

caagtgttgt ccgggttgct tctgtcaagt tgtctggggt ggacacccctt tttgatgcaa   120

gaggctccaa gaggattggg ctagagctgc tgaagaaggt cctaaggttc tcatgaactt   180

taggatagat ttttgagccc atgggccaag gttgggtcca attatctttg tacgtattag   240

attacgatgt cactatattt ggttcttgta attagggctc cataatgtag gtagggtacc   300

ctagaaatat aggatttttc agcccttgta ttttagggca cctagactag ttnttgtatt   360

aagggtagtt ttgtaatttc acatgcacta agtgaatatt taatgt                  406


<210>      102
<211>      451
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      102

tntaaggccc tcaaatgact ggatggcaac accccactta aatgattatg aaagagggat    60

aaatatgtga gattcttgga caaattaaaa gaaggaagtg gacctgtaaa gttattggaa   120

gacaagtcta gataaacaag ttggctgagt tctgagaatg aactaggaag tgttccatta   180

aattggcagt aagctagatc aattgtagat aactgcttca tattggaaat tgcacctgga   240

agctttcctg agaaatttgt atagctaaga ttcatgtgat gaagagaacc atgttgtggg   300

aagtttggca aagaaccccc aagatcttgg ttgtctgaga tgtcaaggac cttcaacgtt   360

gatatttgga atatatcttt tggaaaagaa ccattcaagc cacaacttct taactctagt   420

gtgactaaat tggagaaatt acaaaggatt c                                   451


<210>      103
<211>      410
<212>      DNA
<213>      Glycine max

<400>      103

agcttgctgc tattcctgta tatgtgtact gagatatttt ccttgagctt tgatgccaaa    60

aatgatttat ttgcatgtta aaacatagat ttaaccttaa atttcaccca aatcatagtt .120

ttctagcaaa agttacaaat aaaataagtt taaggacctt tagtaaaatg aaaatttgcc   180
```

43

```
ccaaatttgg actgagagtg acaacagtat ggactatttt tattaaggtt ttgacctcaa   240

aaatgagttt tttaggtttg aaaatgtagg gtagcgtata atatttgtga aaatccgact   300

aacagagcac caagagcact aaacataagt taggagcgaa actgttgaaa actgagtcac   360

aaagagattt ttttaccgta gatgactcta acttggaatc caagtctctg              410
```

<210>   104
<211>   460
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   104

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tgataaagaa attntgatag aagactttga ggccaaacta ttccaataaa aaatgagatt    60

cttttaacaa tttaactaag tccttatttg tgattttctt gatcttattt gttgacttgg   120

aacaatgtgt gctttcatca agtaaattct tttggcatca tcaaaacctg cacgattcac   180

atttatgtca ctcaacctct aggttttgag atcaaaagga aggaattaat ggtgtacaag   240

ttgaataagg ccttgtatgg tcttaaacaa gcacctagag cctggaatag aaggattgac   300

tcatttttca tttagaatga attcaccaag tacacaatgg aatatgatgt atatgtgaaa   360

aggaaaacta agggaatact tttgatttgc ctatatgctg atgatttgct tgtgactggc   420

agcaatagtg aagaaataga gaaattcaaa gttgagatga              460
```

<210>   105
<211>   411
<212>   DNA
<213>   Glycine max

<400>   105

```
agcttcttca gaccatgata ctctaggacc tcaggaaagc aaaatgttat gaattcaact    60

tggttgaatc aactcaattg ttagatagtt gtgccggtat aatgcttcat agtgctcttt   120

tgcaaaccat ggcataaatt tgggagggga tgagtgtttt ggagattccc cctttgtaga   180

tcacccaaca actttctttc tcttcttctt cattttctcc tctatgagct ttgttttctt   240

ctctttttaa ggcttaaggt taaagggagc attgttgatt gcaaccctct taatatgttt   300

ccttctaggt tggtctaaca tggtgtatgg gaagaagaaa gtgatgggtt gaaggaatta   360

cggaagaaga aagggatcgg aaaaaggggt acttagcatt cccaaaaact t            411
```

<210>   106
<211>   463
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   106

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ttgatctacc accaccgccg ccaccatcat tntagttntc tattatttaa ttttactagt    60

actttgtttt ctagccgtgt atttggctat attatgacat ttggataatt tagtatttct   120

ttatttgcat ggtttgattg aacaattatg aattatgtta tatgactatg tggtttttat   180

atatttgatc tattcatgtt tcttccttca tgattggctt atattcttca atgtatgtct   240

tgtgaatgat taatagtata tgtttgtcct atacttgtta cgcactttgg ctttttgttg   300

atgccaaagg gggagagaaa tagggattaa atcaagaact cacataagta attaacttaa   360

tttcaagtga agcatanact caaaaaacac aggcggagaa tttaagtgag tgttcgacta   420

ggacaaaatg tgtgtatgaa tttcttgatt tcagggttat cat                     463
```

<210>   107
<211>   406
<212>   DNA
<213>   Glycine max

<400>   107

```
agcttgcatt attgatggag aaaagggaac aaccatgaat ggacaaagta atttagctgc    60

tactaactct gtttttcact taagcaaatc aatttctagt gatttttaat catcgaaaat   120

gaatcttata aaattactgc ttcatcatca tttagtggtg ctatttgatg gcaataacta   180

aaaacattaa cggaatataa gtttaaaaga ctaatcacaa ttttgtttgg gaactaaaaa   240

taaaaacctg aagaaatcca gacataataa acataatcta ccccaactta tccaaaatac   300

attacattct atgttctata atccctttc ctttttttaa gatttttta aaaatattat   360

attacaaaaa gtatatattg ataaagcatt cttttttttc aatttt                  406
```

<210>   108
<211>   388
<212>   DNA
<213>   Glycine max
```

<400>    108

tcgcgatgat ggtcatgatg actacggggg atgacgactc ctgtgaggaa cacacagctc    60

tactgagtca gagaacatct caagttattc tggatcatgt ctagagttcg tgattcaagg    120

agaattcgcg tgtccagaag aaagcctaga ctcaagaatc tagagtctct caagaatcaa    180

gatcacgatt catgactcat gattctagaa tgatgaatag actctttccc gatcagtatt    240

aacgagtttt tgtcgaactt tgaatagcac atgagtgttt gacagaacct ttaccagcgt    300

agtttgactc tatggcgctc aattaccagc agcacaatga gctcgaaaaa agttttcaga    360

ctgaatttac aacgctccaa atattttc                                        388


<210>    109
<211>    318
<212>    DNA
<213>    Glycine max

<400>    109

agcttatatg caatgtggta ccatgtcagt gaataacctc gtcgggcgcc taggagtaca    60

tgacaagaca aaccacacaa taagtagtca agtcactctc actaggtaat atcataggga    120

gaccagtcag ggtcacagtg ttttgcgaga atgatccaac catatgggat caacataggc    180

ttaaaggagc actcaaaccg tgtaaccccc aaggcctaca ctccgaagag ttcgtcaggg    240

cctctccctc ctgattcagg tccaacccag aaaaatttta gcacacagac tctatctatg    300

aactgtacda aacacact                                                   318


<210>    110
<211>    165
<212>    DNA
<213>    Glycine max

<400>    110

tcttatccaa cgctcatctt ggtggagaag ctccttcttc catggcttat tccctagtgg    60

atggtgcctc ctctcacctg atctactttg ccttccgcta tatctccatg gcggaaaatc    120

gccattaaag gacctcatcg aagctcatgg aaccatccta catag                     165


<210>    111
<211>    394
<212>    DNA

<213>        Glycine max

<223>        unsure at all n locations
<400>        111

tataaagctg tttctggttg tatttaagtc ctaagctata gcttctttcc tcatgtaacc    60

ctgttcagac ttgttatata tatatatata tatatatata tatatatata tatatatata   120

tatatatata tatatatata tatatgggtt tgctaatgca ctcacaccat tttttagta   180

tgagtacatt agcaatcaac accaaanatt ttaactaaaa aatcaatcac ctctcttatt   240

tttcaaaatt taatgtaggg atatcctaca tttgttccaa gctcgacaca tctgatctat   300

atgctcgagc ttgaggggga gtgttgaaat atgataagtt cccattggaa atgatctgtt   360

cctaattcta ctactgtttc aatgaaatta ctcg                             394


<210>        112
<211>        330
<212>        DNA
<213>        Glycine max

<400>        112

tagctggtcc ttgtttgctt cttcacacac ctctctctct ctctctctca tgcactccat    60

atatcggatc ctagatacac aaacaaagaa agggctatac catatgaggg atatgaatga   120

aagaaagtct atagcgcagt gtcatttttt tggattagaa atatttcccc aagctgaacg   180

agaagcccgc catgccacgg ctgtagatat ccgtttttaat atgaaaacat tcccgtgggg   240

ctttcataag aacaatgagc ccttcataat ctatgagaga aagcacaact catcgaagct   300

cgatcattac ctatactatc ttgtttatat                                  330


<210>        113
<211>        229
<212>        DNA
<213>        Glycine max

<223>        unsure at all n locations
<400>        113

gctttgatgc cagctatgag gtatgtgcat gtttgaacag acatttatgc ttcgcctata    60

cccccctcct tgttctctag cgcaagttac tcctttgaca agtactggga gctggagtaa   120

aatgatgaca tgcccccttag ctggactgac agcgactaca gtctggacta tttttagtca   180


47

cgacncgacc tcttaaagga cctttatatg attgtaaatg cagggtagc          229

<210>          114
<211>          407
<212>          DNA
<213>          Glycine max

<223>          unsure at all n locations
<400>          114

atgatataag actttgaggc caaactatat ccaatatcan aatgaggaat cttttaacaa     60

tttaactaag tccttatttg tgattttctt gatcttattt ggtgacttgg aacaatgtgt    120

gctttcatca cgtaaattct tttggcctca tcagaacctg cacgattcac atttatgtca    180

ctcctcctct aggttgtgag atcacaagga gggatttaaa ggcgtacacg tcgaataaag    240

ccttgtatgg tcttagacca gcacctacag cctggaatat aaggattgac tcagtttaca    300

ttgacaatga cttcaccaac tacacagtgg aatatgatgt gtatgagaaa aggataacta    360

cgggaatact tttgatctgc ctatatgctt atgatttgct tgtgact                407

<210>          115
<211>          378
<212>          DNA
<213>          Glycine max

<400>          115

agcttatacc agcccaatcc cccaaatttt ttaatccgag ctgggaattc tctcccgact     60

caagtaaaag gaccacctgc aacagaaaga gcgccggccc aacgcacggc tccagccgct    120

ccccggccag ttaataatac agcccccgac gcgacctata aatatgcaca gcacccgccc    180

ccgaaagata acttctcccc tattcccatg gcatactccg agttatggcc ttcattattg    240

gagaatcatt tggtggtggc catacccggg aaggtcttcc agccacccta ccccaagtgg    300

tacgacccgg gtgccaagtg tgtgtaccat agtggagctc ccggacacaa tattgactcc    360

tgcatcccgt tcaagtat                                                378

<210>          116
<211>          457
<212>          DNA
<213>          Glycine max

<223>          unsure at all n locations

48

<400>          116

tccattgttg agttgttgct tcccttgtca cgctctaatt cactccccac aagtaagtgc   60

aatttccctt ggttatttgg ctctccattg atgtgttttg gtgctttagt tgctcatttt  120

tttgcaaaat tcgtgaagca attcgcatct gaatccatgc ttgttttgtt gaattgaggg  180

tttgtgtgag aaggcattat gcctatgttg tattctgaag caatggggca tgccacattg  240

tccccattct cttgcaattt gagtccgaac gtgcgccccc caagtgctcg gtgaagtgcc  300

ccaatgatat atgaatatga ttttgcacaa ttgggatggt gggactgttt tatatatgta  360

gagacagcat aagagattca aaatatgtgc ccgaatgcaa tttcaagctt atgaacccan  420

acctttttatc ttcaatgcaa gaagacatac tcatagc                         457


<210>          117
<211>          305
<212>          DNA
<213>          Glycine max

<400>          117

agctttgata gtaagtttaa ttgaataaat tatactcact atcacaaaaa tggtcttcta   60

cgacgcacgt tttacgacgg ttgtacaaaa accgatgtca taagtaaagt agtgacattt  120

ttgtaaataa cttaaaaatt ttaaagatgg ttcttatcaa accagtcttt gaaaaggaat  180

taccacatca gttcttctac aaccgacgta gaatgcgaag cttaaaaatg cgaacgggct  240

ctctctcact ctctattata tcctctttat aatctctctc ctcctaaaat ctagaaaacc  300

ctaat                                                              305


<210>          118
<211>          427
<212>          DNA
<213>          Glycine max

<223>          unsure at all n locations
<400>          118

tctctgcctc ggntgaaaca ttggcggtga catgtgacct catgtggcca cccaaggatc   60

ttccacaagg gaagctcttg ctgcagaact tgcacatgtg tttcacttct tgatcttctt  120

ccattggatt gattttтcaa gatcacacac acgcacggat cagcaaagaa agcaaaatta  180

accacacttt cttgatcacc accaacacaa gagaaatcga tcacaaggga aaacagcaa   240

49

```
caccccagat cagcatcaca tcttgaaagt ggttggagag aagaataata ccgagaagaa   300

gaagaagaga aaccccatgt ctgaaaattg caaggtggtg agtgcaagat ctaacgcaga   360

aaacaagagg aaaagaaaag ggacaagaga acgtgtagta gtagcacaaa ctattatata   420

tactata                                                              427


<210>       119
<211>       394
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<400>       119

agctntttgg agtagaaaca taggaccaac tcattntatt tcaaaaagaa agtcgtatct    60

agtcaaggtc tgagagacca tacaagtttc ctaacgattt ctaattatgt gggccattaa   120

gtctatcata tgctgacaat agccgagaag cccatgaatc tcttcggggg cggagtaagt   180

gtctgccatc gccttggcct tggctaacaa gcggngaagt tcttgactcc cgttcaaggt   240

aagagcaaac cgatccatcc acatggttgc ctcttggtgt aaagagtcga tcacccttcc   300

tctagcctct ttttccgcgt atacttgagc atactcgtcc gcgattctat gctcgtgggc   360

cgtggctaga cctaactctt cttggtactt ggcg                                394


<210>       120
<211>       335
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<400>       120

agctntntat tttcagtaga tgaagatgaa ttcgtggcca cctcatggac tcctctaagg    60

acaataacat catttcttgc tctgaattgt tgggagttgg aagccatctt ctcaatcaaa   120

ttcctagcct caacaggggt catatcacca agagctctac cactggcagc atcaatcata   180

ctcctctcca tgttactaag tccctcatag aaatattgaa gaaagagttg ctcagaaatc   240

tggtggtgag gacaacttgc acacaatttc ttgaatcttt cccagtactc atacaagctc   300

tctccactaa gttgcctgat gcctgaaatg tcttt                               335
```

<210>   121
<211>   439
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   121

ntaacctcat cgtctctcac agtctttaga attgggagcc aatccaatcc ttgtgttcgg   60

actctcagcc acttatgata gccgtcgatg atcccattac tgcttcccct aagctctatg   120

tcctttcttc atgccgcatc ccatgccttg cgaactcctt ggagtaccct cacgttgtgg   180

tcaccgaaac cccgtgcgat gaaaggcgtg atgctttcgt ctgatggcac tcctctcatg   240

gggtagccaa gctgtcttat ggtgaggacg ggattataat taatacaacc ccttgttcca   300

tcaagggaac atttggacat ccttcgcatg aagatagaat cctgattctt ccttccttct   360

agcgagggaa caaattaata gacgcccctc catgctagcc aagagttggt cccaattcgc   420

ctttcctttt tcgatgcac   439

<210>   122
<211>   397
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   122

agctttaagc caattcatac gacaataact ttntactcgg atgtctgatt gagtcccgta   60

atataacgaa acgctcgaaa ttgaatgttg aagctctaac cctattcaaa caacaataac   120

gttttactcg gatgtctgaa tgagtctcgt aatatatcga cacgctcgaa attgaatgtt   180

gaagctctaa gcctattcaa acaacaataa cgttttactc ggatgtccga ttgagtgacg   240

taatatatcg agacggtcga aattgaatgg tgaacctatg agccaattta aacgacaata   300

acttttttact cggatgtctg attgagtccc gtatatatcg agacgctcaa aatgaatgtt   360

gacctctgag ccattcaaga caatacttttt actcgat   397

<210>   123
<211>   427
<212>   DNA
<213>   Glycine max

<400>   123

```
taaacattca atttcgagcg tctccatata ttacgcgact caatcagaca tctgagtaaa    60

aagttattgt cgtttgaatt ggctcagagg ttcaacattc aattttgagc atctcgatat   120

attacgggac tcaatcagac atccgagtaa aaagttattg tcgtttgaaa tggctcagag   180

cttcaacatt caatttcgag cgtctcgata tattacggga ctcaatcaga catccgagta   240

aaaagatatt gtcgtttgaa ttggctcaga ggttcaacat ataatttgga gcgtctcgat   300

atattatggg actaaatcag acatccgagt aaaaagttat tgtcgtgtga attggctcat   360

aggttgaaca ttcaatttcg agcgtctcga tatattatgg gactcaatca gacatccgag   420

taaaaag                                                             427
```

<210>   124
<211>   413
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   124

```
agcttggttc aaccctataa tccaaggaat ggcaattcta atcgccaata cttcaacaac    60

atctcatagg gatgaatgac tcaggcatac tttaagctta tgcacggaaa atgtaattat   120

gaaattgaga tgcccgaaga aacaccattt cctagttaac catgcattag gtaccatgtt   180

caattattct gttttgttgg tgtgtgtttt ttttttttt agaaatgggt ttatgatccc   240

aacatggttg gctcatggtg cctaacacat gcaactaaga atgtagtgtg aagtttcacg   300

cttccccttt tttgtttntg ttttgtagag gaaaacgcaa ggatgagcaa acatganaac   360

aaatggtatg caattttgca gatcanaaag tttgttgaac gcatatgcat gat          413
```

<210>   125
<211>   333
<212>   DNA
<213>   Glycine max

<400>   125

```
tcaaccttag gccatcattt ctgctccaaa tcgcgaaagg agagcattct tggagtcgtg    60

aagtgcgtgg ctacgagtgg gacttcgaaa attcaggttt gggtggactt ctttctcctt   120

taattttcgt gggtatgggg tttggggaga tatgatgggt agtcttgcta ggtttctgct   180
```

52

```
gtgtgatgat tatttgtgaa gacatttgtt gaaagcttgt tgaaattgcc atgtttggat    240

gagttagaca tacccattct gttttagggt ttttgtgatg atgcttgtga tgtttatatg    300

ctgaaattgc ccatggaaaa ctgctagaga tga                                 333
```

```
<210>        126
<211>        405
<212>        DNA
<213>        Glycine max

<400>        126
```

```
agcttcttag tttcagatga tccagatggg tttgtagcta cctcatgcac tcctctaatg     60

actatggcat catttctggc gctaaactgc tgggagttgg aggccatctt ctcaattaaa    120

tttctggctt cagcaggagt catgtctcca agggctccac cactggcagc atctatcata    180

cttctctcca tattactgag tccttcataa aaatattgga gaagaagctg ttctgaaatc    240

tgatggtggg ggcaactggc acatagtttc ttatatctct cccagtactc atacaggctc    300

tctccactga gttgtctaat acctgagata ttcttcctga tggctgtggt cctggaagca    360

gggaaatttt tttctaagaa tactctctta aggtcatccc agctc                    405
```

```
<210>        127
<211>        388
<212>        DNA
<213>        Glycine max

<223>        unsure at all n locations
<400>        127
```

```
agcttgctct atatttacat tgatgcttat gggaagaggt tgtatgccat ttttgtttta     60

agagtagtgt cccactggta aaactaactt tccaaatgtt tgccttcgca ggaaatggcc    120

ccaaggaagc ttgcctcata gaggtctagg aaggacaagg cagccgaagg aactagttcc    180

gctccggagt atgacagtca ccgctttaag agcgccgtac accagcagcg cttcgaggcc    240

atcaagggat ggtcgtttct ccgggagcga cgcgtccagc tcaagacgtt aaagaagcgc    300

tactaggagg caacctagta cctttaaat ttctgcctgc tatttgatca ctctttatag     360

tangacgcac ctaggtgctc atgatcct                                       388
```

```
<210>        128
<211>        458
```

53

<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   128

tgcctaatta acctagaatt gagaganaat gattattaaa cacaaaatat gaaaataata   60

agtatttatt acctatactt aacagaaaat acttataaca ttacaaaata accataaatt   120

gggagagttt gatacaattt atacaagttt tatacacaaa agttagtcat tttcaccgac   180

taacaactcc cccaaattta cagttttgct tgtcctcaag caaaaagaga acaactcact   240

agtgctcgag tgacaatgac atgcagtgac tatgtacaaa ggtgtatgct acaaagtgac   300

tgattgcatg ataagagaat ggagtaaaat gccctaatca cttgtctttc acaaggtatg   360

cagttatcca aagagaagaa taaattgtaa cctgaacaga tagatgaagt taggaataag   420

acagatatca agggaagtag cttacaccat agtctcat   458

<210>   129
<211>   347
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   129

agctttacta ttatcttccg aacaatatat gaatgaaatg atgaacctta taattaaaca   60

aagatactac tactactaag tttctattga tgcttgtatc tgagtactaa aaagaaagcc   120

tgttataatg attcaaaggc ataacaataa acaacttaac aataaaccat gaactacagc   180

agctggnggt actttaataa atctctttgt attttaaaat agtctctaaa attntatgta   240

aaaaagataa ctttacttat atttactaac taatgatata aaactaattt gctaacgatt   300

taaactaaaa caaaaatgcg ggaccttaat aaatctcttt gatttat   347

<210>   130
<211>   398
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   130

ntaacctcat cgtctctcac agtctttaga tttgggagcc aattcaatcc ttgtgttcgg   60

```
actctcagcc acttatgata gccgtcgatg atcccattac tgcttccct aagctctatg    120

tcctttcttc atgccgcatc ccatgccttg cgaactcctt ggagtaccct cacgttgtgg    180

tcaccgaaac cccgtgcgat gaaaggcgtg atgctttcgt ctgatggcac tcctctcatg    240

gggtagccaa gctgtcttat ggtgaggacg ggattataat taatacaacc ccttgttcca    300

tcaagggaac atttggacat ccttcgcatg aagatagaat cctgattctt ccttgcttct    360

agcgagggaa caaattaata gacgcccctc catgctag                            398
```

```
<210>        131
<211>        312
<212>        DNA
<213>        Glycine max

<223>        unsure at all n locations
<400>        131
```

```
agcttgtatg ggtgagttat aaattataat acctcagctt ggttcaaaag atcatgttta     60

ctccgtcgca cgttgagcaa gttttgcaca gcttgcccct ctatggacat cctcacccga    120

ctagctctta ctctggcctg aactcgaacc aatgcctgca tgcaccttaa tgtccncgct    180

gtctgcttcc tcacctgtct cccccccgaac aagtgcttga atcctcacca ctggcttcaa   240

tgccctcaaa gcccttcttg cctgcaatca ccacacaagt gatgtcgaaa tataatgttg    300

gtctaatggt aa                                                         312
```

```
<210>        132
<211>        414
<212>        DNA
<213>        Glycine max

<400>        132
```

```
tgttcatgtg agagctcaac actaagttgc tgatgtcttc acaaagccct taatgcttct     60

aactctctct tcctttatcc acaagttggg actcattaac atttactctc caacttgagg    120

gggtattaaa gttgtatgaa gaaatggagt tagttacttc agatagaggg tagatagact    180

agttggtaat taggtagaat gaagttagat actaagtttg ttaagctgga tataaaatag    240

tgtgtatgca accttatatt caataatcat caataatatt ctacagattt ccttgttgca    300

caaagctctc tatcaataaa ttccccttttg ccaagtccac attgaagaat ttagagcaat   360

tgtagaatgt cgaagaacat attatgtaca tacaagacac aacttataaa tctc          414
```

55

<210>   133
<211>   397
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   133

```
agcttgctct aaatttacat tgatgtttgt atttatggga ggaggttgta tgccattttt    60

gttttaagag tagtgtccca ctggtaaaac taactttcca aatgtttgcc ttcgcaggaa   120

atggccccga ggaagcttgc ctcanagagg tccaggaagg acaagacagc cgaaggaact   180

agttccgctc cggagtatga cagtcaccgc tttaggagcg ctgtacacca gcagcgcttc   240

gaggccatca agggatggtc gtttctccgg gagcgacgcg tccagctcag ggacgacgag   300

tatactgatt tccaggagga ataaggcgc cgacggtggg catcactggt tactcccatg   360

gccaagtttg atccagaaat agtccttgag ttttatg                            397
```

<210>   134
<211>   450
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   134

```
ctgatagcag atgatatgat ccttactagg agtggatcgc ttgatacagg tcatagagtt    60

tggatgatgc tacttccaga gagggaagat aagtcaggat agacaccaca agaattgcct   120

tgataagtct gagattgggt caacatgaga cccagagaga agctctctcc aaagtttata   180

aaaggccaaa agtacttata ttgaaaatga aacccataca tatagcgtat ctgaatgaaa   240

aaaatataaa tagaccaggg ccttcanata agttagggcc aaaattacga caataaaatt   300

ataaataaca aatagaacat attttgcatg ggccttcaaa ttagtttggg ccttcaacaa   360

caattaatat tcttagtagt gcctctggct ttggaccttc atccttctcc acttgagccg   420

tggtaagtat gtctgttacc aatttgtgga                                    450
```

<210>   135
<211>   394
<212>   DNA
<213>   Glycine max

56

<400>   135

agcttcttga tatactgcag cacgattata ttaatgcttc atagtatttt ttgacatata   60

tattaatatt gtcaagctaa aggcacaatt tttgttatgc taattgataa caatgataga   120

aatgatctta gatacaccaa gctgccttgg atatgatgtt tgattcgatg atgattgggt   180

agtcagagta aatgttagtt tagagaggaa gaattaacta agttaattat attaaagatt   240

aataatttga aatgagacta ttaaaacata tagataataa attgtcataa tgaaaagttt   300

acgatctgtt tggaatatga taaaatagga taagatatac cattatgata aactttaggt   360

ttatttaata tttgatgcac actanataat atta   394

<210>   136
<211>   440
<212>   DNA
<213>   Glycine max

<400>   136

ctataaggac atgcatccag tcaacacacc gctgccaatt cccttatgaa tatcctgaat   60

cataaataag ttcttcaaac aatagtttaa gttatgactg aagtttcata tacgcaaagg   120

caaataataa taatagtaat tgagctaagt tttttggaaa gtagttcaaa tttaaaataa   180

aaaatattaa atccatatta aattcgtaaa tttgaaacat tgtaattgta cttcaagtga   240

cgattttttt ttttttttgc agcaggtcaa atcaaggctg gtatctttat tttgagccaa   300

aatttcttaa gcagcgtttc acccgcaaat tatgcaacgg cgaaccaaaa ctttagaact   360

gaaaatcttg cattccaagg aacccattag ccattggcct caagacaaga actacgtatt   420

gtggctgggt tgatccctac   440

<210>   137
<211>   340
<212>   DNA
<213>   Glycine max

<400>   137

agctttcagc tatgtatctc attagtaata ctttttcgtg ctgttggatg ggcaacaatt   60

gcctccttgg tggtgatagt aatcactgtg ctttgcaata ctccactcgc aaagttacag   120

57

```
cacaagtttc aaagcaaact tatggtgaca caagatgata gattgaaggc ttgttctgag   180

gctcttgtga atatgaaggt gttgaagttg tatgcgtggg aaaccaattt tagaagttct   240

atagagagat taaggaatga ggagctcaaa tggttgtctg cagtgcaatt aagaaaggca   300

tacaacacct ttctcttttg gcctctcctg agttggctct                         340


<210>      138
<211>      453
<212>      DNA
<213>      Glycine max

<400>      138

ctgcttgatg agaaagaggc acagttacgc caatttataa ggtaagcacg tgttggttta    60

ttcagtggtt tagcatcttt tggacatgct tggtgttctg attaatttgg attgaagtat   120

ggaagggggg agtactggtt catcgagcaa tttgcgtgaa gaaactgctc gtgtgtcgaa   180

agattcttca gagctttttc caactggcat tccacaagta ggtcaaacag agattagcca   240

agattcattt gcgggtggac tggggaatat tcgttcggag ttgattggct ccacatctgg   300

caatgattct actactttttc tatcgaatga ccgtatgaga aatggcagag ctgacaatgc   360

cactctaaaa ggtcatgaca gctccattag aggcagacag agatatactt cattgctgct   420

caccctcctt gtcaagcgat gttaattaat tgc                                453


<210>      139
<211>      304
<212>      DNA
<213>      Glycine max

<400>      139

agcttgctct aaatttacat tgatgcttgt atttgtggga ggaggttata tgccattttt    60

gttttaagag taatgtccca ctggtaaaac taactttcca aatgtttgcc ttcgcaggaa   120

tggccccgag gaagcttgcc tcaaagaggt ccaggaagga caggcggcc gaaagaacta   180

gttccgctcc ggagtacgac agtcaccgct ttatgagcgc tgtacaccag cagcgcttcg   240

aagccatcaa gggatggtcg tttctccggg agcgacgcgt ccagctcagg gacgacgagt   300

atac                                                                 304


<210>      140
```

<210> and related before first block not shown; starting:

<211>   376
<212>   DNA
<213>   Glycine max

<400>   140

```
ctgaatgctc tattcaatgg agttgacaag aataccttca gactgatcaa cacttgcaca    60

gtggccaaag atgcgtggga gatcctgaaa accactcatg aaggaacctc caaagtgaag   120

atgtccagat tgcaactatt ggccacaaaa ttcgaaaatc tgaagatgaa ggaggaagaa   180

tgtattcatg acttccacat gaacattctt gaaattgcca atgcttgcac tgccttggga   240

gagagaatga cagatgaaaa gctggtgaga aagatcctca catccttgcc taagagattt   300

gacatgaaag tcactgcaat agaggaggcc caagacattt gcaacatgag agtagatgaa   360

ctcattggtt cccttc                                                   376
```

<210>   141
<211>   402
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   141

```
agcttgctgt agtataatag gaagcaccaa tataaatatc ttgatgccta ctattgatat    60

atagcattga acatacatta aactagctag agagaataaa aattgctgat aatagtacac   120

tccataggta gtcatgatgc gtaaaccact actgcaagaa aacactttat attatagtat   180

tagctagcaa tttttgtggt tggcttgatc atgcttggcc tcacatgact gacaggtggc   240

gaatccatct gcctatatag acccttccnc ataacttcct ttnttactac ttcttaagaa   300

aatttctaat aggaaacagt agaagaacat taccatgaga cttccatggc tgagaatgaa   360

cggtcagtta aagagacgta ttgtgtaaat gtgttaaaat ga                      402
```

<210>   142
<211>   391
<212>   DNA
<213>   Glycine max

<400>   142

```
tgtaataacc ttagatagaa atgagagatt atgttcttga gttgaatccc tcatgtgagg    60

tgaaaatctt tagcatgtgt cgtaaaacca tagatatttt ttttatgtaa agtccaatag   120
```

```
tgactagcaa aggtgaaatc cagtggtgca cctggtctag tagaagattg aagtctagta    180

aggaattgac aaggttgtga aacccaatgg ttgctggacc agttgcgaat tggttgtgtt    240

actgaaataa catctttaac ggtgaggatt ggacgcaccc caagggtgtg gtgaaccatt    300

atatagacct ttgtgcactt tcttctctgt ctctatattt tgctcttgca caaatctaac    360

actactttg  tataaaatac tacaatttgt t                                   391


<210>     143
<211>     378
<212>     DNA
<213>     Glycine max

<223>     unsure at all n locations
<400>     143

ntggacaacc atatataaga agtactttca gattagtcat agttgacagc cactccggaa     60

gcatttcaag attgtcgcag tctgaaataa tcaaggtccg taaggagttg gcagtttctt    120

gaagccattg aggtaaggcc accagctgtg gtaagcccca gaatgcaaca tattttaacc    180

ttaacttgag gttatgctct tcatggcgtt ccttccacag atctaagtcc agactaacac    240

agtctttaac agacagagat tctaattcag gaaaatttat aacatcctct gaccttgact    300

tcagactatg acaggcagca acattcaatg ctttaagagc agggaacttc acccctgcaa    360

agatagactc catattat                                                  378


<210>     144
<211>     369
<212>     DNA
<213>     Glycine max

<223>     unsure at all n locations
<400>     144

agctttacac aaagaacata gtataggtta aataaatata gctgaagatt taaatcacat     60

agaaaacacc tttaatttct agtaaacata gctaattctc ccaactgctg ctcgctctgc    120

aattctattg caatactcta catggaaaaa tgaggtatat tatttgtgat ataaaatgac    180

aaatcaaact aatgaagaga aacgaagaan attagatacc cgagttaaca actttcacaa    240

attaaacaat atctncttgt agacatatta catgagcata cctttgctac atctagnttt    300

ccaagctgta ttgctagatc anatatgtag tcagggtcaa tagctacttc aagagcatct    360
```

<210>   145
<211>   397
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   145

tgtccacaaa nataggttnt tgaagtttgt catttcaatt tctcactaag taaaatggat   60

cattttcaag gtccaatgcc ttanaatgat cacctcttaa agtaaaaaag aatcacttga   120

taagaaagaa ctacgtaggt cttatttcct catcgcaatt gaggaatacg taggagcaaa   180

gggaaacacc cttgtcgact acaaaaagag aaaaatataa aaagggtgta aaggatataa   240

ggacttaaaa gggaacataa aaaatcaagg tcatgtttgc acattcgatt aaagcctgcc   300

gtcccttggg acggacgtgt ggngtgctaa taccttcccc gtgcgtaaac acaactcccg   360

aacctttcac ttannagttc gtagatcgcg tcttttc   397

<210>   146
<211>   416
<212>   DNA
<213>   Glycine max

<400>   146

agcttcaata cgagtagcca cccattcact agatagtttc ctaaccagtc aaaccattcc   60

caaaatcatt ctgcagaata ataaatgcaa aatagagttg gctaaacaaa aaagatcctc   120

ataatcattt cccaattggt tcttggattc ccatagcact atacaaatca ataatttttt   180

aacagaaagt atactcaaat tgaaacctag caattttctc aggttaaaaa aactacacct   240

cctagcaatg gagaggattg ctcctacatc aaatgcttca gctggatcgg cctggattgc   300

acgtagctct tcattggttt cacgagcaac cttatacata agccagaaat tatttctaaa   360

gcattgcttt ccatcacagg caacaacaaa attaaacatt atacaaaacc gagaat   416

<210>   147
<211>   457
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   147

ntganagagt tatctttgta caacttctaa ctcctttcc tgtaattntt aacacgtgtg   60

cccttacttt agtgtaagac ccattaaaaa ctatttcaca aaaattgcat ctaacttcaa   120

aatttccacc gcctccactt agacctttaa gctttgaaac acaattccat aaaggtttgg   180

tgtcatcacc ttgttcttta acttgattag aagtactcat ctctacaatt aatcaatata   240

ataaaataat aaataagaac acaatggcca atttaaaata aaaaaattat gaatggttaa   300

ctgttatatt taaaaactat tatcaaaata ggatataaaa ttaaaaatca taaagtatta   360

aatgtattag taggtaagaa agtaaagaan aataatatta aactaaaaat tcttatgagc   420

ctacgaaaga agaanaaaaa attataaaaa ttggaaa   457

<210>   148
<211>   396
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   148

agcttcatgc ttaactatgt atggaaaaac ttcattactg ttgttcaaga catacaagtg   60

agcttgtaac aaatcttcta cacttggagt gatcacctgc agtcctcttg aacccttacc   120

acccactctg tcatcatgcc gacactcagg aagcccaaca gctttagcct tctctaagta   180

ttctgaacaa aattcaatgg cttcttctgc aatgtacctc tcaacaatag atgcttccgg   240

acgatataga ttctttgtat acccttttaa gatcttcatt tatcgctcaa ccgggtacat   300

ccaccgtaga taaacaggac cacagcattt gatttctctg accagatgca caatcaagtg   360

aatcatgatg tcaaagaaag cangggaaaa tacatc   396

<210>   149
<211>   462
<212>   DNA
<213>   Glycine max

<400>   149

tcaccaccaa gacagtgtct tggataagaa gcttagagag gatgcttcaa tagaggaaga   60

gaatgagaga gaaagaggga agggcgtggg aattgatgaa ggagattagg gagagaagtt   120

```
gaactttgaa gtgtgtctca caagtttctc attcatcaaa gttatgagaa gtgttacaca    180

tgtttctatt tatagcctag cacaatggaa gcttccttgg gaagctaggg gaagaaagct    240

tccttgagaa gctagagggg gctactcaca cctctccaat agctaagctc accccatgtc    300

aagatgcatg aaaatacaat gggaaacttc cttgagaggt aaggtagctt ccttaggaag    360

caaggaagaa agcttccttt agaagataga gagggctac tgatgcaatc ctaccccaca    420

agggcattgg atagaagaat ccaagtagat tgggctagag at                       462
```

<210>   150
<211>   406
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   150

```
agctttttt tacggttctt attaaatccc atccccttcc ataagctaaa atactctttc    60

atatacagtg atatggtcag acacaaaaaa aagtggaaaa tattcaagtg taacacacat    120

tgtatttgaa aagcaacaac tagctttaaa gtacaaaaca agcaaaacta aaaattacta    180

cttgctagta gttgaaactc cctagtaatt agcattaaca ttggatttat tcaaattcac    240

ctaaatacaa catactaatt aacacgaggg tagcgtatta tctcaaacat taaaagtggc    300

ataaaacaaa ttagcaagac tatnttagtt caactgcttt ctcaaagtca actctaatgc    360

attctcactg ctttcgttaa taaacttggg tcaatgctag atcact                  406
```

<210>   151
<211>   440
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   151

```
tatcttggac ctcaagtcga tgtagttgaa cctcagcttg ctgaactcac ttcccaaccc    60

atagctgaag atgtccttgc aacaattagc acttccagta ttccatataa aatatctcct    120

ttaaccacct ttgcttcaac gggtgtgtct aaagaaagga ttcaagaaat gttgtgcctt    180

caacaggcca acctagaaga aaccatggaa aagagtttcc tcttttaatg catggaaaca    240

aatttgctta tcaagaacac cttggaagct tcactcaagt ccttcaacga ctttgtttttg    300
```

```
ttcaatatga atatgctaat gcaacaacga ctgcctccaa ccgtccaacc ccttctgcca    360

ccaccagcta cttcttccac actcacaact tctaaaanaa ttgtgctgtg cctcgacctt    420

caccacctta gtcaccacca                                                440


<210>        152
<211>        395
<212>        DNA
<213>        Glycine max

<223>        unsure at all n locations
<400>        152

agcttgtact cttgttggag gaacccttac tcaagctatc ctaaaatgaa tacaacaaac     60

cataaaaatt tcatcacact catagcaaat cagaaataaa tggcgtgaat ggtttatcat    120

tacagttaca acaaatcaaa cacaagtggt gcacaaatca aacatgaatg gtgcgaatgg    180

tttttctttg caactactat ccacanagtg agatagaggt tagggattaa acaaatcana    240

gcacacaagt aataatgtta tttgtagtgt gagaaaataa caattgaaga atgctaaggc    300

gcgaanaaaa ttcaattaca cttctccann aaatgagata aagcttcaag attaagaaaa    360

tacaagtgna aaatttaaaa gtataatggt atctg                              395


<210>        153
<211>        376
<212>        DNA
<213>        Glycine max

<400>        153

atacgttgct cattgactct cgattgctac acagaatgac caagatcttt acggtgatct     60

gcagaagagc atagaccaca gactcttgcg acatgtgtag atttcttatt catgggaaga    120

cgatgtacta cggtgaccaa cggatgaagg tctccttcag gctttttatt ttcacttgac    180

gaggaggaat gtgcggccac ctgatggact cctctaagaa caatagcata atttcttgca    240

ctgaattgtt gagagttgga agccatcttc tcaatcaaat tcctagcttc agcagggtc     300

atatcaccaa gggcttcacc actggcagca tcaatcatac tcctctccat gttgctaagg    360

tcctcataga aatatt                                                   376


<210>        154
<211>        264
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<212>   DNA
<213>   Glycine max

<400>   154

agcttagaag aattaaaaat gaaaaaaaaa actataataa ctaaaattgg aaagacgtcc   60

acttataagg actaaaatta gaaaaataaa cttatagaga ttaaaaatta aaaaaaatgc   120

taacttacag ggacaaatac atatttaagc ttaaaaataa cattattcta aaattaaaat   180

ttgggctcct agttagcatc aaaacagtcc atttattaca attaagatca agccagagat   240

acttaaataa aataaataaa aaat   264

<210>   155
<211>   314
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   155

tgttacaaat gtggtaaacc ttatagaaac taaaggctgn tcgagtcgtg tggttgtgcc   60

ggataaacat ggctttgcag cagccaacaa aggctcgcaa tgacgatgga gaccagtgtg   120

atgctcgctg gagatgcgtc acgcgatgtg tgcgtgaacc tcacacgcca aggccctgca   180

tggggttgcg tgcggcggtg ttatgagttg gctgcgcaca tggagtcgtg gacgatgtgg   240

tggcctttgg cgatgatgat gggcattgtt tacctgtgaa aataaaaagt ggcaaggctc   300

accacggacg cctt   314

<210>   156
<211>   403
<212>   DNA
<213>   Glycine max

<400>   156

agcttaacaa tccttttgat ctatttcaaa atatttctat ccctatcata taacttgcct   60

cactcatatc cttcatttta aagttacaag agagaaactt tttcgttgag catttttcta   120

aattggaaat tgtgatgttg agcatttttc catcttaaat ctctctagta ctttattgat   180

atatgctttt tgagacaagc ttaacaatcc tatgatctat ttcagaatat ttctatccct   240

atcacaaaac ttgcctcacc catatccttc atttcaaagt tattagagag aaacttctta   300

65

gtctcatgaa gaagatcaag atcattagtt gcaagcaata tatcatcaat atacaggatt   360

agaaaaataa ccttactcct actgaccttc agatatatac att   403

<210>   157
<211>   450
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   157

gtatcccaag ctggacttat atacagtatt ctttggtcta ccatatacta tggctctaac   60

ctatcgacga acttattgga agaatccctc ccgactagca tatatgatcg tcttacccac   120

caacttctct ctaagctcta ttagtcgtta ctctcttgat ttacgggatg ttgtgagcgc   180

cttgttcttt gacttgagta gaagtactca tctctacaat taatcgatat aataaaatac   240

tcaataagaa cacgatgggc aatttaaaat aaaaaaatta tgaatggtta actgttatat   300

ttaacaacta ttatcaacat aggatataag attatgagtc ataaagtatt agatgtaata   360

gtgggtaaga aagtaaagaa tgataatatt aaactaaaaa ttcttatgag cctacgatag   420

aagaangaaa attataaaaa tcggaaagta   450

<210>   158
<211>   401
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   158

agcttccaag aatcaagatc aagattcaag actcaagatt caagaatcaa gagaagactt   60

aatcaagata agtatgaaaa ggttttttaa aaaattgagt agcacatgga tttttctcac   120

aacatgttta tcaaagagtt tttactctct ggtaatcgat tactagattg ttctaatcga   180

ttaccagtag caaaatgttt ttgaaaaagt tttcaactga atttacaacg ttccaattga   240

tttcaaaaag ctcttatatg ttttggtaat cgattaccac tgtctttgaa cgttgaaatt   300

caaattcaaa tgtgaagagt cacatccttt cgcataanag ctttgtgtaa ttgattacac   360

tgatttggta atcgattacc agtgattgtt tctgaataaa t   401

<210>   159

<211>   387
<212>   DNA
<213>   Glycine max

<400>   159

tcttatccaa ggctcatctt ggaggcgaag ctacttcttc catggcttat tccctaatgg   60

aaggcgccta ctctcagctc ttctactttg tcttccgctg catctacatg gtggaaaatc   120

actattaaag gacctcattg aagctcacag atccaacctg catagagacc ccacaggcaa   180

gcttccatca taaccactct atttgcccta ccagggatat ccaacttgga cactgcactc   240

gccaagtaca tacacgacat acatcattac aatgacacta tcaacatcca cagcatctaa   300

gtctgatgac actatgatca tctacctgat cccgtctcga tgtcattctc aacatcaaca   360

gtatctgatc tcaatgacat aatcaac   387

<210>   160
<211>   411
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   160

agctttccat gaatcaacaa aatgaataga taactcacaa cactattggc atccctgcct   60

ccacaaagca gaagaagtcc atcagagcgt gcacttgcag ttgcatacct agtcaaagat   120

taaatggtaa aatgaaaatc gcaccatgac aagttgcacc aaatgatagc caactaatat   180

atttaaggta agtctacact tcacagaatc gattgtttac atcttctaat gtaagatatt   240

taaagtattc tcttgtgctt acaaaaaaca aaaagcaata atgtggtaac tttgttccac   300

aaacagtaat attaatgcta atcaaatgg ccaaataaga tgagattcaa ttcanaccct   360

actcaagctg cagtctaact caagttntcg tacagaanat canaagaaaa t   411

<210>   161
<211>   442
<212>   DNA
<213>   Glycine max

<400>   161

tgtagactga atctatacca taaaaaagat ttgtgttcag tacaccgctt atcataattt   60

tttttttctc tagccattat ttttagggag gtagtttagc taactcacgg attttaattc   120

```
tttacttgca tgatgattca ttttccttt ctatacacat tgttttttt gaatgatttt    180

tacatatgta ttgaatcaaa catttcagaa ttatcattta tattaacgct atttatccgc    240

atagtttaat tggccatcgt caaacttaaa tatacggcag atatatatta taacttttg     300

tataatacat gattttaac aaaatcttta tttacatttt cttatgataa gggattagaa     360

cttttttttt gtggacaaga gatacaagtc tctcattcct ggaacatata taaagctgaa    420

tgaatatgaa atgccctccc gc                                             442
```

<210>   162
<211>   324
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   162

```
tcaagcttca agttagaagt tgaacacttt tatgttagaa gtgtcaaatg aggaaatctg     60

aagcgttgtg ttttctatgg ggaactacaa ggcgctagga gtagatgggt tccaatctat    120

tctctataag agcaaataag atgttggtgg tgaaaccttt tgtactctta ttagaagtat    180

nttttataat cccactaaca ttgatgattt taattatact cttattgctc ttaattccaa    240

gcaagatgtg ctcactaaca tgaagcactt taagcgcata atgttgtgca atggttccta    300

cagacaatga caagaatatg tctg                                           324
```

<210>   163
<211>   379
<212>   DNA
<213>   Glycine max

<400>   163

```
ctaaacgatg ggctagctta agctagccag gcaactttca tgttcttcat tagagaaact     60

agctcagaag tgtgtccta atgatctagc ttaagctagc ttggccactt gcaaattgtg    120

tacactgttc ttcaatgat agctttaaat atctcttcaa agagatcctt actgtagttc    180

ctacaaagag actgaacgac ataaaccacc tcacagctag tacactaggc tcttaaaata    240

tttctctaaa gctgagttta ttcaaagatc aacccaattg tgctcaaaca atgttcagaa    300

gcatgagaaa catatcatag ttgtcacaaa aatcgcaaaa aacaagtaaa agaggtaatt    360
```

68

ataattgata tctaactct   379

<210>   164
<211>   173
<212>   DNA
<213>   Glycine max

<400>   164

tgcttctata ctttatacaa gaatgaagct ctgataccac ttgttagaca agtggcctca   60

catatattaa gaagggggg ggggtccca tcctagacac ccgcttcatt ctctcctcat   120

ccttatccaa aagtatttat tctattctac gcctcccata tattgatctt ccc   173

<210>   165
<211>   377
<212>   DNA
<213>   Glycine max

<400>   165

tgaaggatgt aagattctgt gattcttcaa tgtccaccac aatgtgatca aactttgatg   60

tcagtgttct gagcaccttc tcaatcacca gttgttcctt aatttgttct ccacagcact   120

tcatctaatt ggtgagtgtg agaatcttgg tgaaatactc agctactgat tcagtctcct   180

ccattgcaag aagctcatac tgtcttctca atgtctgaag ctttaccttc tttatctttt   240

ctccaaagat aatccaatat ttatttagat caagatatct aaatatatat tttagtaaag   300

taaaagatag atacaattgc tttaatatat tatattgtta ttcttattct cgaaagatgt   360

tattatcata atatatt   377

<210>   166
<211>   449
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   166

tgttcctana tgatgggcta gcttaagcta gcctggtaac ttttaagttc ttcattagaa   60

tagctagctt aaaagtctgc ccctaatgat ctagcttaag ctagcttggt aacttccaaa   120

ttctttacac ttttctttca atgatagctn taaatatctc ttcaaagaga tccttaatgt   180

aattcctaca aagagactaa acaacaaaaa ccacaaaaaa gcaataaaac taagttctta   240

69

```
aaatatttct ctaaagctga gtttattcaa ggatcaacca aattgtgctc aaacaaggtt   300

cagaagcatg agaaacatat aatagttgca aaaaaaattg caaaaaacaa gtaaaagtgg   360

taattataat tgattatttta actctagtaa aaaaaaaaag cattgatcgt ctaaccttat   420

tttatcaatg gttaaatact taattcaat                                     449


<210>       167
<211>       331
<212>       DNA
<213>       Glycine max

<400>       167

agcttggtct tgatttttttt ctaagttctt taacaagatt agaacaatat acttgtcctt    60

catttaactg tctttgggct tggcggccac gatcaacaaa gtactttcga cacctactat   120

atgttgattt gaccaacact gttatcggta tgttgcgaca atccttcaaa accttatтta   180

tacattttga gaggttggtt gtcatgtggc catatcgacg tccttctcta tcataagcca   240

tcgtccaatt ttcctttgaa atacgatcaa tccatgttgc tatggctgga ctcagttgaa   300

cggaatttttc taaatttttga ttaaaaaaaa t                                 331


<210>       168
<211>       449
<212>       DNA
<213>       Glycine max

<400>       168

tgtgaagtgc cacgttagag aacagaacac tcttttcttc tctctgtttg aacaggctct    60

tcttcacgag aaattattac tctctctact ttatcattag ctcttatttc agtgtttgac   120

tttttgcgtt gttgcttcgt tgagtgtgca ctcggttctg tttggcgtct ggacaaaaaa   180

catgggggaa gaagaagaag aagaagtgag cgtcaccgct ttgcatcatc caaacagcgg   240

aaacgatgat cagagcctcg aattcgatat atatcctttg agcagttact attttggatc   300

caaagatgct gttccctcca gagacctcac cttagatgat cgtgttctca ggatgaagta   360

caagctcggg ttctttcttc tcctctctgc ttatttctac tgcaatataa acactctctt   420

tgttctcttc tttaactatt ctttctttc                                     449
```

<210> 169
<211> 394
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 169

```
agcttgtgct attcatcttt ntcattctct tctccctttg ccaacctgaa ttcttttgtg      60

tctcccttct cccctttccaa gagaattcaa aggaccccgc ctgagaattc ttttgattct     120

ttcctttccc ttaaacaaaa gatttcaaag gactaactgc ctgagatatc ttttgtttcc     180

ccttacaaag attcaaagga ctaaccgcct gagaattctt tgtcttaaca cattggaggg     240

tacatccttt gtggtacaag tagaggatac gtctacttgg gttgttgaac taagaataag     300

agagggtaca tctcttgtgg atcagttcaa gtggagggta catccacttg gttgttcaaa     360

gagaacaagg gaaggtacat cccttgtgga tctt                                 394
```

<210> 170
<211> 463
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 170

```
tgtgctttaa gcccacttaa caaaaaactg tttttataaa gtaaaaaagc cacactcttg      60

acaagttcta catatgttgg caataaggtc caacatatag ctctctcatt tacagtaaac     120

aaaactttaa aatttggttt aggcctcact cacccttggg ttggatcaat tgcaccatat     180

aaatatgtgt tccccgtgga ctaacaaatt ttatttggct tttatcgttg catttagacc     240

tttgcatgat ggcgactttg atgtcataca cattacttgc gctctttttt ccttacacat     300

ttgttgcatg tcttcaatct aatttgttga atctgggaat caggttgtaa gttatgattt     360

caaggaaaac agatttgcgc atctacaccg atctgcgatc agctntccag aatcaaggtt     420

cttctatgcc ggcactcctg ctacatcaaa tgcanaagca gct                       463
```

<210> 171
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
```

<400>   171

agcttgcttg tggtgcttct atggaggctg gatctttgag cttcaatgag gtcctttaat   60

ggtgattttc tatcatggag atgcagcaaa agacaaagga gaaaaggtga gaagaggcgc   120

catccaatag gtaataagcc gtggaagaag gagcttcacc accaagatga gccttggata   180

agaagcttgg aaggatgctt caatggagga aaagaaagag ggagtgaaag agagatgggg   240

gagcacgaaa ttgaaggaat aaaagaggga gagaagttga actttgagtt gtgtctcaca   300

agactctcat tcatcanagt tacaataagt gttacacatg tttctattta tagactangt   360

agcttccttg agaagctctc ttgagaaaac ttccttgaga gtttctatg agaaaac   417

<210>   172
<211>   461
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   172

tganatgagg aagtgtggaa gggtgagact tcctactttt attcgttggc cacagagtgg   60

tacctggaga tatgtcgcgg nggtcaggag accttgggga cgtcaggtgg ggtgctattg   120

cccaaaacca agcttgacca atcccgaccc aacccgggca tagtcagtca gtgagaacct   180

gtgatgtacc taaacaggcg agctcctgga agtcaatcga taaaagaaca aagaccacaa   240

agcaaggagg cttgtgtggt ggctggccag ctgtgaatct tgagtgatat atgggatagg   300

gcctctggta atcgattacc gagggtgggt agtcgattac aaggcttana agtgaagaca   360

ggaagctaag atggcctctg gtaatcaatt accaagagag tgtaatcgat ttccaggctt   420

annaacgaga tcaggaagct aagagggctt ctggtaatcg a   461

<210>   173
<211>   260
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   173

tttcttctat gattcattct atgcacccat atatcgtgct gttggatgga caacaattgc   60

attctcggtg gggatactaa tcactgcgct ttgcaatact ctcactccat agtaacaaca   120

caagtttcaa agcaaactta tggtgacaca agatgataca gtgcgngcta gttgtgatat   180

tcattagctt aggataaaat caattccgac cgttcggtcg tgccgtaacc acgttggaaa   240

tcaaagagag gtgaaaaatg   260

<210>   174
<211>   237
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   174

tagtagaaga tanacactgc tagggacgaa cctggcaatg aagacatgct gtctactcta   60

tatcggaacc ggtgataggt tcaaacctaa ctattttatt gatgataata tctagcagga   120

cctatggcta ccatggaagg atgcagtgat tgtgacacta ttatgaatac tgatatggat   180

tgtcacaatg cacgataggt tgtaatctat ttggacatta tcacgaagag gaattaa   237

<210>   175
<211>   324
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   175

agcttgaaat tgaacaacgg aagctctcga gaaaatcgag tggtcataaa ttttcacaca   60

gatgtccgat tcggggaaat aatatatcga gacgcacgaa attgaacaac ggaagctctc   120

gagaaatttg aatggtcata acatttcact cggatgttcg atccggggac ataatttatc   180

gagacgctcg aaattgaaca accgaagctc tcgacanatt agaatggtcg taacttttca   240

cgcgaatgtt cgattcgngg acataactca tctagacgct cgaaattgaa caacggaagc   300

tctcgagaaa tttgaatggt cata   324

<210>   176
<211>   381
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   176

ngccgccacg gagttntccg actatgctct tgtgtgttgg aacaagctac aaaaggagag   60

73

```
agcaagaaat gaagagccaa tggttgatac atggacggag atgaaaaaga tcatgaggaa   120

gcggtatgtt ccggctagtt actcaaggga cttgaaattc aagctccaaa aactaaccca   180

aggcaacaag ggggttgagg agtatttcaa ggaaatggat gtgctcatga ttcaagcaaa   240

tattgaagaa gatgaggagg taactatggc tcgatttctt aatggtttga ctaatgatat   300

ccgcgatatt gttgagctgc aggagtttgt tgaaatggat gatttgcttc acaaagcaat   360

ccaagtggag caacaattaa a                                             381
```

<210>   177
<211>   276
<212>   DNA
<213>   Glycine max

<400>   177

```
agcttattgg ttaaaaaggc gttatttgaa tcacttagat aaaggtggaa gttataactt    60

cctccattat taattaatct tctttcaccc actctctcca tatataaacc caccctcaat   120

gctttcaaaa agtttaaaaa ataattataa gaaaaatggc aacatgtaaa cttccaccta   180

cctaagttca gacaaaaaac acccacacac acaaagaagt taaggaacaa attggaacca   240

taagcattct ctcttagtgg agaaggagaa aataat                            276
```

<210>   178
<211>   459
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   178

```
tannagttga aaataatata aaagtcctaa tacaggtcca gcatgattcc actcactagt    60

acaaaactca cctactaaaa tgtgtgctaa ccagtgtatc atacagtggc ctccattcaa   120

tagttagtga aatctttta ctatatttgt tgagtagtct aactaataaa tttccccatc   180

taacctaata aacaaaaaat ggcacaatca tttaagagca agcagagaca tatagagaac   240

aagaaaactc agcatctcat ctaagacaaa atgcagcagc acctaagcat aatgcttatt   300

acgggacaca tgagatatct caaggccctt ctgaataagg ttgtgaacat cctccanagc   360

tacatcactt ttttccttta tgaaattgca caacacacat aaaaagttag atttcaaccc   420
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aacaaccaac tccatctgga tacaagccat gagtgaaaa   459

<210>   179
<211>   330
<212>   DNA
<213>   Glycine max

<400>   179

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actggttact atcagtctgt aatcgattaa aacagaagag atgtaactat agaggaaatc   120

ttctaacttt agaactttc ttctaactcc aacatgatga tgcatgatac acatatgaaa   180

tgatagagac aaagatgcaa cacacagtac aataatcaat acaaatgtca ttcaagagag   240

ttgggcatgt agaagacaat aagatcaagc tcttctttaa gctgtaatgc taagtataca   300

tggtgcttcc cctatctcta acatgcaata .   330

<210>   180
<211>   457
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   180

taatcttaca aagctctntg aaagaaggtt ttctatgtat tgattccttc aagtatccat   60

cttgagatac ttttcttgaa gaggaggaat atgcaattgg agtgtatgga gaaagggaac   120

tagtgctcaa gcaatttccc atcagactca ttattgctcc taacccaaac agcctgatat   180

ttaagtatag gccaactgca atgaaggttt atccccttgg tcccaccatt tttgtctttg   240

tgggataccc taacggaact aagggatact atttctacaa cacatatgag gaaaaagtat   300

ctatcactaa gattggagtg ttccttgaga agcaatacat ctcccatgga gccaatggag   360

gaatgtagat cttggagaaa tccaagtggc acataacatt gatccaccta caatggaaca   420

agaattgatg ccacaaaagc attgtagatc catcttt   457

<210>   181
<211>   368
<212>   DNA
<213>   Glycine max

<400>   181

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agctgtggaa agtgttgttg tcaccttctc gctaagccac tctgatggct tatcgagcgt    60

ctgctatatg caacattcct gggctaagcg caaggaagaa tccataagaa gatgagctgt   120

acaagtgcgc taagtgcacg cgcttcatct tactaagcgc accacttgag ttcatctgct   180

aagcgagaaa agcgggctaa gccaaaaatc actaacgtgc gctaagcggt ccataagtgc   240

gctaagcaca cgagcacaaa caaggccgcc tagttaagcc tgaaatcaga tcttgtgaaa   300

ggagtatgga ctaagattca gagctctgca tgcctagggt ttctagagag agaaagtgca   360

agttctag                                                           368


<210>     182
<211>     377
<212>     DNA
<213>     Glycine max

<400>     182

gctattacgg acctataata ctcagctgtt tatccgtttt tgtgcaagac atatttaaac    60

cgatcaattg tcatttaagg cgttggacca ttaacgatct cttggttttt taaaagtagt   120

ggtaaaggta gacgtttatt gtatgtttcc gaaggtgcat attaaccaat aaaagcagag   180

agaacctttt aaggcattgg accttaaaac ggtttttagt gacttttgcg gacaaaagct   240

tcatttgaga gttgatttta gccttaagtt cactttgggt attagtcaat tcattcaagg   300

aaacttgcaa agaaaaatgc ccgactgagg ttttttcttt ttgagattgt attcaaagat   360

attgcgatta ttttatt                                                 377


<210>     183
<211>     364
<212>     DNA
<213>     Glycine max

<400>     183

agcttagaat ggccgaaagg gacgagtcaa gggtggtaag catggcatta aaggataaat    60

tgaaggcttg tcataggtca aagagaagtt tgaccgaaca atcgagtgga acggaagaga   120

atatgttgac gatcattgat cagtataagg agaaggtaaa cctagctgct agtcttaggc   180

agagactaga ggatgatcat gcgaaggtat tgactctaca aatggaaagg gaagcaagag   240

agagggtgat agaatcatta cgctgggaag ctgtgaaatg gatggataga ttcgctctca   300
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ctctgaatgg gagtcaagaa gcttcagggt attagccaga accaggcaat gacggaagta   360

tact   364

<210>   184
<211>   439
<212>   DNA
<213>   Glycine max

<400>   184

gtctccacta agttgcctaa tgcctgaaat gtcttttctg atggcagagg tcctagatgc   60

agggaagaat ttctccaaga acaccctctt aaggtcatcc cagttgaaaa tggacctggg   120

agcaaggtag tatagccaat cttttgccac tccctccaga gaatgaggaa aagcctttag   180

aaagatatga tcttcttgaa catcacgggg cttcatggtg taacaaacaa tatggaactc   240

cttaagatgc ttataaggat cttcacctgc aagaccatga aacttgtgca gcaaatgtat   300

tagtccagcc ttgagaacat aaggaacacc ttcatcagga tattgaatgc acaagctttc   360

ataagtgaaa tcaggtgcag ccatctccct aagagtcctc tcacgaagtg gaggtagagc   420

catgttctca gtatgaaaa   439

<210>   185
<211>   396
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   185

agcttggaga ggatgcttca atggaggaaa agaaagaggg agagaaagag ggaggggga   60

gcacgaaatt gaaggaagaa aaagggagag aagttgaact ttgagttgtg tctcacaaga   120

ctctcattca tcaaagttac aacaagtgtt acacatgctt ctatttatag actacgtagc   180

ttccttgaga agctntcttg agaaaactct cttgagaagc ttctttgaga aaacttcctt   240

gagaagctag agcttagcta cacacaaccc tctcataact aagctcacct tcttgagaag   300

cttccttaag aagattccta aagaactaaa gcttaactac acatacctct ctaatagcta   360

agctcacctc ctgagatgag aactagagct tactcc   396

<210>   186

<211>   139
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   186

tcataagcat ctacccattg cgtcaanaga tacatgcaaa gtgctacaca tgctgctctt   60

tatacactga ctacctacct tgatgggctt tctatgagga cactaccatg gaaaaccta   120

ttgtaatatc taccttgat   139

<210>   187
<211>   396
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   187

agcttcaaag aagactattg aagtgtggtt caatcaattt acaaactttt ggaggcagta   60

gacaaagatg acagctggga aaggacaact agcagagtca ttctgaggta gtcatgttga   120

ggaacctttc tgatgagcat tttaaagtaa aatcagaatg gtgatgttag ctgagaaagg   180

atccatactt gaagtagatc cttttgatga agatcaacta ttatgtcttt ctgaagtagc   240

agaactgcat caattntaat acatcttcac aacacanagc atcctgaagt agattgcttc   300

attaaatcac agtgaaggca tagnttcttg gtgtttagtg gtctatcana agttagaatg   360

tgtaaagtct tcaatcttcc attctgatga tccaca   396

<210>   188
<211>   395
<212>   DNA
<213>   Glycine max

<400>   188

tgacactatc caagactcta tacaatactg aagctctggt ctctacagat cttcacacag   60

cacaagtact cttaactctc tggagcttgt acctttctct ctctagaaac cctagacatg   120

cacagatatg aattctaatc catactgccc ttgtaaaatc tgaatatacg ctcatatatg   180

cggccttggt cctgctcgtg cgctgtacgc acttatggac cggttaacgc acattagaga   240

atttacgatt acagcgtgcc tttctcgcat atcgaatgaa ctgaatacgc gcacttaacg   300

78

```
agatgaagtg gtgcggtcac agaacgctta ccaatcaact ttttccagag tcttgctcgc   360

acttaaccca tgaatgttgc gcttatcgga cactt                             395
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<210>   189
<211>   499
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   189

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cgattgaccc tttgagcccg agatcccgtg agtcacctgc agcatgcgag ctatgcagca    60

attgaaatgg tcacaactgt tctctctgtt ttacgagagg ggcacataag atattgagat   120

gctcgaaatt catctatgga tactcttgag caatacaaat ggtcagtgac ttttcactgg   180

gaggtgcgat acacgctcat atgatatcgc gatgctatac attgaacaac agaagatctc   240

gacagattca gaaggtcata tcctntcact cagaggtctt agtcaggccc ctagcatatc   300

gagacacgaa tattgagaga acgaatggtc tcgacaaatt catatggaga gagattttca   360

cttgtatgtc tcatatatgc gcataaggaa taaaaacgct cgggtctgtt gatggagagg   420

tctctagaaa acaaaggggc gttgtcttgc acgcatggca attcagcaca gagtgatgtg   480

acctcggata tactcttcn                                               499
```

<210>   190
<211>   428
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   190

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gaggaagcaa ccctgctcgc ctgggcgagc tgagctcgcc tgggcgagct gggcggcaac    60

cacctcccct attttgctat aaatagggga ggaaatgaag aaggaagggg tccggcccct   120

ttggcacttc tctctctttc gaatttgctt ggaaaaattg tttccgtgaa gaaaatctaa   180

gccgaggcgc ttccgaaacg tttccgtaac gttttgcgtg aggaatctag cagaggtttc   240

aaccgttctt cgacgatctt cattcgataa gcatcgatct tcgaccttct gcgggtaagt   300

accgccaacc aagctgttca atgagagtta tggacctcgt tggcttcaca ttcgcactcg   360

tgctatattc tcctatagcg ctgacactag aacangaagc tgatttgttg tagcaagtaa   420
```

ataagact

<210>   191
<211>   238
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   191

aacattcttt tcagctaang attatatact tatgttcttt tcaaatgcan aatcactaga   60

tggatgaaca tgatgacatt gacatcttgg cttctagcac aacaggagaa atgttaacgc   120

ttttctccgt agggcatana aatcaatcta ttgcatggga tcacttttga taaatgccat   180

accccaatcc tttatcccaa gctaaatgtc gacattgtgg tgctntgatc aaatatag   238

<210>   192
<211>   210
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   192

tcatatctcc canaacccca tacncacgan nattaagaga gaaagaagtc cacccagacc   60

tggattntcg aagtcccact cgtagccacg cacttcacga ccccgaanat gccctccttt   120

cgcgatttgg agcagaaatg agcaccaaag gttggagctn ntgtcgggtt tcaatggaga   180

atggaggaga aggaaaaagc aacgtgagga   210

<210>   193
<211>   220
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   193

gagtttcgaa acaagagtat aaagtgtgca gagtcaaatc tggtatttgg cttggatgan   60

natgggctag aatatatcta anatcagata cggnnggtgg actgcatctg gngtcggaat   120

gaggganana aatatgccta actcaactnn taaaaanaat caactaaggc taccggagta   180

ctatacgaac tntggtcata tgctntgatg atgagagatc   220

<210>   194
<211>   209
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   194

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attattcaga tgctttatga atgacaatca aaggtgactt ggaaacaaga aattaaagag    60

acttttcatt tgccaaacag ntntatcctc tcaaaaagaa taagaagtnt tctgaactga   120

aatggtntat cctctcanaa agattctttg gtcaccact tgcatattca ataanggaat    180

ttgattgatc ttcattgtac aatctatct                                     209
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<210>   195
<211>   194
<212>   DNA
<213>   Glycine max

<400>   195

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actactcata attaatgcta ctagaagagg atgactgata actattatta ctataatatc    60

caacaagcta ctcaccattt aggaagttga tctgtattac ctgaacaatg gcaactatga   120

caatgatatg ttatgttcaa acattatacc ttgagttagg ctatgctgta gaaatgagac   180

taattaatgt catt                                                     194
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<210>   196
<211>   366
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   196

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accatggtaa tcagaataga aagtctactt cttatgtaag agttgcagag attcctttct    60

cacttctcac ttattacagc tagaacctat gtctagctga tggttctatc ggctgtgatg   120

caaagattca ctatcaccct gtatctaata taaaagtgga cagattcaga attgttactt   180

tagaccacgt aaagaataat atgcatattt gacaatatag accaagagaa actcagatag   240

cacaatccag tggtagagaa gcaacactta atttagtgtt cannagtcgt atatagacat   300

gagaatagat accttgccan aattatccat aagacattta tttccattcc ctaccagtgt   360

attcat                                                              366
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<210>   197
<211>   276
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   197

atgccctctc tctcttctcn tttctctctc tcttctggct ctcctatatt cgnttatagn   60

tctaggctct tcttagacac tnntttcatt ntgcaattcc actnttagta ataaaaattc   120

gctcttcaat ctataatttc gttctctatt gattaatgca aggctaagtc tccagcgtct   180

gtttctcttg aggatcaagc acagttctct ctgaggtctt attattactg ggtaaattct   240

gntcagtttt tctcttcact acatactctg aatttg   276

<210>   198
<211>   234
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   198

caataatcaa taatctatct ttcaatcttc tctcaacatc attcaatatc tntcaactct   60

ttctacacna atttctgatt catttctctt catctttcta aaagtttttg ttcaacactc   120

tctcttatga gaaaagttct ttgttcanaa acttgtgtta ttcatccttt tcattctctt   180

ctccctttgc caaaagaatg aagggactaa ccgcctgaat tctttgtgtc tctc   234

<210>   199
<211>   499
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   199

atgacccctta gancttcaga acnctctaga gtccacctga ngtatgcgag cttcagacag   60

ttagcaatcc tgtggtgcat tgttttatct gaactaccat tatcaagtaa tattggaacc   120

accatgccat taattgtacc actaaacttc atagttccta ggccagagga acctttaagg   180

gcattataag atagatgatg gtctaaattc atatgtgcca tggcttcctc aataatagaa   240

ggtggctctg gttgcacttc agcattttca tcctcatcca ttgcaatagt aggcattgcc   300

gattatgaca cctatgataa gaagtgaact tctcatgaca tgtataacat agccctttct   360

cccttcgaat ctgcatttca gctggtgaca ttcttctaac atttcctggg atcggaaaac   420

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aagagagaga cttgtgact   499

<210>   200
<211>   299
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   200

tgtcgctaga gctgacccat caactgtcct atctctntca gactggcgac tcttangctc   60

ttgatcttga cttgatagaa cctctntnta agtgaagggt gcctgactcg atcccatgtt   120

tactaaagtg gaataaaaac cagtgcgaat caagactgtg acatctatca caggtgaaat   180

ggatgaatgc ataaagaaat gcatatggca cagatgccat ttacggatac ganagcccga   240

gagaatatct atttcttana tacaacattc nggcagcata gtgcccgatg catgcattt   299

<210>   201
<211>   429
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   201

attattatct gaactaccat tatcaagtaa tatttgaacc accatgccat taattgtacc   60

actaaacttc atagttccta ggccagagga acctttaagg gcattataag atagatgatg   120

gtctaaattc aaatttccca tggcttcctc aattctagaa ggtggttctg gttgcacttc   180

agcattttca tcctcatcca ttgcaatagt aggtattgcc gattaggaca cctatgagaa   240

gaagtgaact tctcatcaca tgtataacat agccctttct cccttcgaat ctgcatttca   300

gctggtgaca ttcttctaac atttcctggt tntggaaaat tgganngtgt aattcatttg   360

gggcttggaa gtaacggcgg catgcttgtt gactttctt actgacacta ccgctgactt   420

ctacttcct   429

<210>	202
<211>	433
<212>	DNA
<213>	Glycine max

<223>	unsure at all n locations
<400>	202

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aaggatattt tagatgatgt tgcagaatct ttagaacaaa tgcatattca tggacaagat	120

tctaaaggga aagggaaagg aagcaatgaa gatcctccag aagaagccaa atcaaatgat	180

gaaggtggca tccatggagt tcactgacta tgctcttatt tggtgggact aacaacaaga	240

agatttggag aacctttggt gaatacttag gaggacatga aaagattaat gagaagaaga	300

tttgttcctt ctcattataa taaagacctt cataacaagc ttcataggct catacaagga	360

anaaaaagtg tagatggata ttataaagag atggagaatt ccttgagtag agccagtctt	420

aatgaagatc aat	433

<210>	203
<211>	240
<212>	DNA
<213>	Glycine max

<223>	unsure at all n locations
<400>	203

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tcgtttgtag ttccgtacac aattntcttt gcttcttcag tttacagtga gttagatatg	120

ttctaattat taatttcttt tcttttttttt tcgaatattc catntaccat aaatagttgc	180

agaagcttct gtcacaccta taaaaacact ntatatttga cttgacgaat ntatatgtat	240

<210>	204
<211>	437
<212>	DNA
<213>	Glycine max

<223>	unsure at all n locations
<400>	204

gtgtccccca tcgaaatgan aaacctttat tcaaaccttt canagntagt gagaaggcta	60

aacgaaaaat agggaactta gaaaagctaa atccttaact gaaggcgtag gtgacaatca	120

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tagtgaatta ctaaacaaga atggtagttt acttaaggtc attccagata cctcccaagc    180

ctcggaaaat acttctaana tggtaacaag aagtaccttc aaatttaata atggtattaa    240

tgaagatagt gaccaaactc agatacacac ttggatagga cactatcaga aagatataat    300

ccaataattc aaaactgaaa cacctcaaat atatatcacg tcactgccct gcctctatag    360

agaagaggaa acatttaaag ttagtgaata cattacgatg acataatgac aacgagatac    420

atatgatacc tcacata                                                   437


<210>       205
<211>       505
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<400>       205

ntgaccctga accctggatc tctaagtcac tctgaagatg cacgcntang aganaccata     60

aaaactaagg tagtttctaa actaaaatca attgaggaag cttcgccaag tatccccatt    120

gaaaaacctt tattcaaacc tttcaaagtt agtgagaagg ctaaacgaat aattagggaa    180

cttagaaaaa ctaaatcctt aattgaaggc gtaggtgata accatagtga attacttaac    240

aagattggta gtttacttaa agtcattcca gatactcccc aagccttgga aaatacttgc    300

aaaatggtaa caagaagtac ctacaaatta attaatgtta taattgaaga tagtgaccaa    360

agctcagata acacaactga gataggatca gtgtcagaaa tgaatataaa ttcaattaat    420

tccgagcact gggaaacacc ctccaaatta tattatcaac gtccaactgg ccctgacctt    480

ctattataag aaagaggaga aaacg                                          505


<210>       206
<211>       424
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<400>       206

tgctgactcg agagacaagg acaacccact ctaaagcatt tacgccatca gactcactgc     60

ttgagggggtt gtacatcatc cagaaagcga atcccaataa taccgactca agagacaagg    120

acaactcatg cttaagcatt tatgccatta cgcttaatgc ttgagggggtt atacaccgta    180
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85

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caagatgaat attctattaa taatgactca ggagacgagg aagactcacc cttaagcatt    240

ttaggcacaa ggataaatgc ttgaagagtt gtacaccgct cgagatgagt attctggaga    300

tattgcctct agtgaggaga tgacttatcc ctanacattt atgcgacaag gctgaatgct    360

tgaggngtta tacgccattt atgatgaata tcccananat accgacctaa gcaaaagaga    420

cacg                                                                 424


<210>      207
<211>      511
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      207

ntgaccctga aaccctcgna gcacctgaga taccctacag acgatgcgag ngatgcaagc     60

ttccncaaca tccaagtaac tctacattct aacaacacaa accatcacag ccaagaatac    120

agggcaaagg cagataactc tgcccaaaac accaaccaaa atcacagctt ttctcactta    180

aagaccccag taacaattcc ttcgttccaa ttcgttaacc gttggatcga ctccaaaaga    240

ttactggaag tctctagtac ataagcctac attatgaccg ttgggatcta ctagcaaaca    300

tccagaactc attctgaact actctgtcca cagccaatta cacacaagca ttgttctgca    360

cttgtgcaaa attctgctgc acaatttcac agcataaatc tgcacaaagt gcagatttcg    420

aataccacac ttcctctcat ccaatcttgc ccaaatcaaa tactacaagt cccnatcatg    480

tatcaatcat gtctaaacca gagccaagct g                                   511


<210>      208
<211>      257
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      208

actattccaa tacgctngga gcagcttaat agatctcaag ctgtgcaaat attcagagct     60

aatagattga gctgagtcta ataatgaag gaacagttat tcaagttagc ttcattatcc     120

tccgggattc ggaaggacac attttgcatt cgatataatg attcacatcg tgatgtagtc    180

ttgaattatc gtacatctat attacgccgg ttctctattt ttgtacatga atatagacag    240
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86

caacatgcaa tgaacag 257

<210>   209
<211>   488
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   209

acccattgaa tcttgagacc atcgtananc cagagatcct ctagagacga cgtcgacgca   60

tgcaagcttg ggctgggcct acctccatcc ctagagtgag ccgtatgagg cggaagctcc   120

acgtacggtt ntgaagccga gcctttctag caatggngcc tagggaccga tatgatgatt   180

ggtttaggta gggcggccgg cctactacgg gcacctgtag ggattagtgc ttgagaccgc   240

gatccacaaa agcatgggac tcacccttta cttgagaatg aagaggggaa tgacacgacg   300

tttcaagagc tatgcgaggg gtgaaccaaa ctgcagaggg atcttcctga ccaggcgtga   360

tagagatgcc ctttattacc caactcatat tatcattcaa tcctgctttg tgccactcag   420

tcttggcggg atccccctcc tttctctttt ctctcaaccg gcgtcccttt cctccacaaa   480

cgtgctcc   488

<210>   210
<211>   180
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   210

tgcatctttc ttcaactcct gaagccctat catagcagac tcaagaacat nctgcattcc   60

anagatcact ttcattngaa tgcactatgt attggtagtc ttcccatcca ggaatggtag   120

atgcgttgaa ggtccgttcc cattcatctc tgaaacactg aagcttcagg gatcccacac   180

<210>   211
<211>   510
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   211

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ggtgcccttta ggcttgagac ccctgtagan cccgtgatac tttgcagacg acgcccangc    60

atgcaagcta tgatgatatg gtcttcacct tcgaaatgat caaagtgggt ctgagaagag   120

gcaaatctga tcatcttgct ttgatacatg cgaacaaaca aagttggggc aaatacagag   180

ggtgatgatg aatgagaacc ccgagctgtg actgacattc ctatacagcc gagtttccca   240

ccaacccaac gatgtcatta ctcagtcgat agccaacctt ctccttaccc accgcccagt   300

tatccacaga ggccatccct ataatatcca cagagtttgt cgttcgcact ctcaatgacg   360

accatcatct ttagcacana cctagagcac caaccaagat atgaatttag cagcgagaaa   420

gcctgtagaa ttaatcccat tccagtgtcc tatgctgact tgctcccata tctaattgat   480

aactcaatgg tagccataac cccaaccacg                                     510
```

```
<210>       212
<211>       425
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<400>       212
```

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acatttgctt gttgctcgtg tgctgagtgt gtgatgagat cgtgtagagg ggtttgatgg    60

aacttatatt tatattagtt gagtgtggct gctagtcctt gtttgtaggg gatattgtag   120

tctttgcagt taattctcgg cttgtagata ttaatcaata gcttacatat aatgttagag   180

ataaacattt gcttatagat aaaaaggtag aagataatca aaccttgtag ataatgtgtg   240

ggcttataaa taattatttt aactgccaat agataagata ttcaaataca tttgaatatt   300

agtaggttag agataacctg tttgttgggg agtccggctg gtnacgttca tccctcctct   360

cttttggcct gccttcattg tngttgcctc ctcctcatga ttcctttctt ctacccctcc   420

ttccg                                                                425
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```
<210>       213
<211>       190
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<400>       213
```

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tgaagacccg cacanacatt ngaaagaatn tcacattgtc tgctccacca tganaccccc    60
```

```
agatgtccaa gaggatcaca tatttctgaa ggctttcct cattcattag agggagtggc   120

aaaggactgg atgtattacc ttgctccaag gtccatcacg agctgngatg accttaagag   180

agtattctta                                                          190


<210>     214
<211>     224
<212>     DNA
<213>     Glycine max

<223>     unsure at all n locations
<400>     214

atatannttt tttagtatta tatagaattg aatgttngaa tttaattgat cctgaggctn    60

tggaatgtga ttagcaatct aatgcataan agtattntat ttaggcggtg ggtgatcaag   120

tcaatctctg caaactgttc anatttcaat gagattntgg gaaaagaatc tgagctggtg   180

gaatanatag ctgaggtcta atttcaatac aggaacatta tact                    224


<210>     215
<211>     156
<212>     DNA
<213>     Glycine max

<223>     unsure at all n locations
<400>     215

tcttggatgg ctactcggng tataattaga tagcagtaga tcctaaagac caagaaaaaa    60

atggctttac atgccctttc ggtgtcttta cttacagaag ggatgccatt gngttatgta   120

atggccttgc caccttccaa agatgtatgc tagcta                             156


<210>     216
<211>     195
<212>     DNA
<213>     Glycine max

<223>     unsure at all n locations
<400>     216

aataccagaa gaatccaggt tctgaattcc atatcttgat tagaaggaaa ggtagcataa    60

tcaagtaaag caaaaaggga ttgaatttga ctattttctt tattgctcnn nnnnctngta   120

ttgtttgatt gtcttaaact aattctcttg tttcaagcat ggcaattaca ttcacaactt   180

actcataatt tatat                                                    195
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89

<210>   217
<211>   181
<212>   DNA
<213>   Glycine max

<400>   217

ttccaccatg gagatgcagc ggaagacaaa ggagaagagg taagaggcgg cgccatccac   60

tagggaataa gccttggaag aaggagcttc accaccaaga tgagccttgg ataagaagct   120

tggagatgat gcttcaatgg aggaaaagaa agagggagag aaagagagag gggggagcac   180

g   181

<210>   218
<211>   274
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   218

gcagctgagc ganggtccaa tcattaccca ttatttacct tcntgnctta catttcttgc   60

accaacaact tcgtcacttt catanttgga aggggtgcta catggaagtt gagggcagga   120

gaggaanaaa gatggatata attatgtagc gagtggactg aagggatngg tgtggattct   180

tccatcgtgg tcttcacata nttttggttt tgcatacaat acattgttgg attacgaaca   240

cctaaatcgg acgaccttgn tagctcttca cata   274

<210>   219
<211>   249
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   219

accatcacga ttatcgtctt ccttgtcatt attgggggta ccacctgagc cgccagatcc   60

ctacaccttt tgagcgtgtt ctttgaaaga tccgtcctcc tttgtgcaca tgctcatgag   120

gtgcatccta tccgaaacca tatcaagatt gtactgatac tgactaacac aggcaaccat   180

tatgtccttg caagaatgga ctcgtgaatg ctccaagtta gtgtaccang taacagctac   240

ctcagtaag   249

90

<210>   220
<211>   246
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   220

gtatctngtt ntccatcgat gtgccatcat tntcttctat gttctanacc ctgtctcgca   60

ccatttaatt attgattggt cttaattgtc aattaattag gcagttctat tatttgngcc   120

cattcagcca atgtgatgct tttaatctaa tttcaggaat taatgaagaa ttgngcttga   180

atctagcatt gngcttgaat ctagaattgn gctcggactt gaagagggca aactatatta   240

ttctat   246

<210>   221
<211>   510
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   221

gtactgcgcc tcgtacttca cancnctgta gtacccggca tccttagagt cgacctgcgg   60

catgcaagct tgctctanat nttcattgat gtttgtattt atgggaggag gttatatgtc   120

cattttgctt taagagtagc gtcccactgg taaaattaac tttccaaatg tttgccttcg   180

caggaatggc cccgaggaag cttgcctcaa agaggtccag gaaggacaac ggcggcgaaa   240

gaactatttc cgctccggag tacgacagtc accgctttag gagcgctgta caccagcagc   300

gcttcgaagc catcaaggga tggtcgtttc tccgggagcg acgcgtccag ctcagggatg   360

acgagtatac tgattttcag gaggaaatag ggcgtcggcg atgggcacca ctggttactt   420

ctatggncaa gtttgatcca gaaatagttc ctgagnttta ttccaatgct tggcaacaga   480

ggatggcgtg cgtgacatga gatcttggcg   510

<210>   222
<211>   207
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations

<400>   222

tctcatgcac ttagtgtcca nataatatat ctatagttag aaatttatta tgttatggta   60

aaaataggtt tgttcaatct ctgtaaacca tanttgtcat gntctttcaa ttaactgaaa   120

taatgagtct gtgagacatg acttaagttt aattctcaca gaatacactc ttngaaaatg   180

atgattagct ntaagtgtga ctaagtc   207

<210>   223
<211>   431
<212>   DNA
<213>   Glycine max

<400>   223

tctggttgat gagttatcga cagcgatgac tgcgaacagt cctgagaatg tgttcaggac   60

tgattacgtg agatgcaatc tagaggattc tgatctatta gaagacttgg ttcatcattg   120

cttgagacta tgacctcgac tatcctgaga acattctccg aagacttcgg aagggatata   180

ttgaaatgag gtttcataac tccttcatgc cattgataag gatctcgacg agcttctttc   240

tctgtcttgt acgtcacgaa agatcctacg ctctggcgat cgttcaccag aaacagggca   300

tcggatccca ctggcgatca ttgctgtact attcattttc gtgcgctcaa gacgcttgtt   360

tctgcattac cagaggtgtt atcagaacgc gtcattcgca tatctctgcc actgtcctct   420

tggtagagaa t   431

<210>   224
<211>   481
<212>   DNA
<213>   Glycine max

<400>   224

ttggcctgga gctggtcttg agcaccccgg ctgcagcttg cccagcatct ggatcacatt   60

ttacgacgca atttgttggt gccatttctc acgactaagt tctctcctgc tccttactca   120

caccacgaac aatatagttt agcgattaca ttgtaagagt attaggaact tgaaaactaa   180

gcacaggcta cactttaact aatggccttg ttgctctcgc cattcttgga acctcagcct   240

actaattgaa acgcttcgag catgttgtta ttgactgccc atatgggggc gtttttctta   300

taaaggaaaa aataattggt tatataatcc gggggctttg atattgacag actgctccac   360

92

```
actaactttt ggtttatttg aaccctcctt tatagggctc aacacttgac acacgccccc    420

aataaggcct tgagaccaat atatgctttc ctctatccta tggtgcctta tctcctatac    480

g                                                                     481


<210>        225
<211>        277
<212>        DNA
<213>        Glycine max

<223>        unsure at all n locations
<400>      . 225

acctagacta taaatagaag catgtgtaag actaggtgtg actgtgatga atgaaagtct     60

tatgagatac acttcanagt tgcacttctt tgcctctgtt attccttcaa tttcgtgctc    120

cccccttctc tctntctttt cctccattaa agcatcctct tcaagcttct tatccaaggc    180

aattcttggg ggtgaagctc cttcttcctt ggcttattcc ctagtggatg gtgcctcccc    240

tatcctcttc tcctttgcct tctatcgcaa cctaccc                            277


<210>        226
<211>        279
<212>        DNA
<213>        Glycine max

<223>        unsure at all n locations
<400>        226

acatcccact gagatgcact atgtaagtac ctttcanaaa acagacttgt tgagaataag     60

ggagctagca tctntagtaa gtgatccagn tgattntcaa gctcaccatg ggaagttgct    120

cagaattctt agagtagatg ttgaggaagg atgcctagag accctggttc agttctatga    180

cccgctctac cattgcttca catttcccga ttaccagctn gtcctcacac tngaagagta    240

ctcctaccta gttggcttac ctgtgccaga caagatacc                          279


<210>        227
<211>        220
<212>        DNA
<213>        Glycine max

<223>        unsure at all n locations
<400>        227

tcgtcttatt canaaccnca accaattatg anatccncta tctcccactt cacacctcgg     60
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93

```
aacgcaccgt tcttatagag agaggcgctn tcacatcntt cttaggctgg gagaggaaat   120

gttcccatnt tttatgatac tccggngaac agatatccag tggagatgac ggngtggngc   180

ctgtagctca gaggattaga gcacgtggct acgaaccacg                          220
```

<210>   228
<211>   379
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   228

```
gcagcttaga tgatagaggt ggagactcag gtctttctct tgcttgactt ctttataatg    60

tggaggactt ggcctgcgac tcggctagat ggggctattt gcgctacacg cctttctcgt   120

tacgccagct gttccgctac cgcatggtan gccttcaata tttctagttg attcttttga   180

cttaatcctt tacgattgca acaggaagga aattttaatt ttacaatagc atgatactgt   240

aatattttta gatatttata ttttagataa atactattta gagtatacac caagtgagtc   300

acagtgtgaa tgactgaatc agtgtacacg acaacagcaa gtgaaatcgg tgacaacagt   360

ctcacaaata tcggcacat                                                 379
```

<210>   229
<211>   169
<212>   DNA
<213>   Glycine max

<400>   229

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atacctgtaa tgctgcatag ccacagaaaa tctcttcttc tgattaacac caccttcgtg    60

atcataagct tctggcattc tatactggca gttcaggaga acatatgagc cgttggaaag   120

aaacatatag atttgtcaat ttacttatat atgcccatat ccctttgta                169
```

<210>   230
<211>   497
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   230

```
nttaacccgt gagctttgag acccttcgag naccgtcatc cttggagaag agtctaggca    60
```

```
tgcgagcttg tgtaattaga tacaaatgtt aatgtttatt tatataactg tgaaagcgca     120

taagtgtggt gaaacaaaaa cctgaagtac catctcatta gtcagagtat atacaagcat     180

gtacgggtga tagaaaaaaa aaagatgttg gaaggttgga tgacttctta gtgcatagag     240

tgttactcac ggtgatgatt tcttctcctg ccaccaaatg gcatatgtcg gcgatggaat     300

atatatgtta gaagggagcc tggcaatgat ggcattatat tattgctttc acatagatag     360

atatgtttta ataccttctg tcgacttccg tttatttatg aaatagtggg agggtgttat     420

ttcttgaatc cttgattttt tttaacgacc gaggtgacat tctattttg tctatagatt      480

ataacacttt atttaat                                                     497
```

<210>   231
<211>   503
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   231

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tggggttttc cggtttggcc tatagtcctg gacntcaagt gctctgaggt atgcagatta      60

ccatcagacc acttncaggg tgctgtaact actttatatg gacttgatgg ggcctatgca     120

agttgaaagc cttggaggaa agaggtatgc ctatgccgct gaggatgatt tctgcagatt     180

tacctgggtc aactttatca gagagaaatc agacaccttt gaagtattca aagagctgag     240

tctaagactt caaagagaaa aagactgtgt catcaagaga attaagagtg accatggcag     300

agagatagaa aacggcatgt gtactgtatt atgtcatctg accgcatcgc tcatgaggtc     360

tctgcactca tcacaccaca actatatggc gtatttgana tgctaacctc gactttgcga     420

gaagttgcct ggacttcttt ctcctttaca acttcactca tttctggttt tttccttcca     480

ccgtctgctt tttgatgtat tcg                                             503
```

<210>   232
<211>   259
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   232

```
gtaatattat agccgatgct ctntctcggc gtcatgcatt actttctatg cttgaaacan      60
```

naatgattgg tcttgaatgt ttgaanaaca tgtatgaaaa tgatgaaact nttggagaaa 120

tttttaaaa ttatgatatt ttttcagaan atggtttctt tagacatgaa ggctttcttt 180

tcaaagaaaa cannatgtgt gtgcctaaat tntctactag aaatttgctt gttttgtgaa 240

gcacatgaag gaggttaat 259

<210>   233
<211>   300
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   233

aatctcaata agtcaacaat gacattcgaa gaaatcgaaa tacgttatgg aggggatgta 60

ctatagccaa tgtgtggaag gcaatagaaa gaatnggaaa ccttaatcta atgctaagtg 120

tagagagtga gagagagaat gggaacttag taactcatga nagactntga agtctgaaca 180

agttagtgaa tgtgttagca ctacatattg aagctttaaa tataaaanat atgtaaacat 240

ataaacaaca atagtaattc taaagacatg tcacatcant gggtctatgg gttgggtcat 300

<210>   234
<211>   271
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   234

aagaatgtgt atgtgtttct tgatttcagg gttgtcatca tcaaanaggg gaagattgta 60

gaagcaagct tcatgatgat gaatcaagtt gattcaagta gttctgatga taacatagat 120

gatgacaaaa agccaaaaga atgatntcaa gattgagtca acaaatataa gattaaattc 180

aagaatcaag agtcaagatt caagaataat caagatcaag aatcaagact catagattca 240

aanatcaaga gaagacttan tcaagataag t 271

<210>   235
<211>   212
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations

<400>   235

gagagagaga ggngaggnga gcataatatt gaaggaggac aagagagaga gaagttgaac   60

tttgatatgt gtctcacaag actctcattc atcaaagtta caacaagtgt tacacatgct   120

tctatntata gcctaggtag cttccttgag aagcttcttt cataagcttc cttgagaagt   180

tagagcttag ctacacacac ccctctaata ac   212

<210>   236
<211>   266
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   236

cacatcaaca tgctngaacc ttcacttttt gtgagnaata agatttatnt ataagaatgg   60

ngaacaagga tcaaactcta gaccacacag ttatagaggc tccaattaca tgtcatgaac   120

ttgntactca aaagagctgg tgagttaaga catatggatg aatttatgtc tagcattcat   180

gttatggtgt tatatttgaa tattgaatat actatatgct ntgagaggtt ntaaacttaa   240

cttgctgtag aggaactgaa atatgg   266

<210>   237
<211>   338
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   237

acatctaact cagactaccg attcatgcca ataatatatc gagacgcttg anattgaaca   60

acggaagctc tcgagagatt caaatggtca taactnttca catggatgtc caattcaagt   120

gcataatatt ctgagatgct ctaaatttaa catggaagca caggganaat tanaacggcc   180

ataacctata acaaggatgt ccgattcagg ccaataatat attgagacgc tcgatattga   240

acacttatgc tctcaagaga ttcanatngt catacattnt cactcggatg tccgattcag   300

acgcataata taccaacatg ctcgatatta aacatcac   338

<210>   238
<211>   269
<212>   DNA

97

<213>   Glycine max

<223>   unsure at all n locations
<400>   238

tgacccacgc gggtgttgaa gagacggcat gggcatctcc ctccttcctt cttgcccctg   60

atgccccgat tcttntggca ttcagcgtta tggaagaaac gtaatcaaac tttcctctnt   120

tcaatccaac ctcgattctt tccccggcaa acaccagatc cgcaaagctg gacggcatgt   180

aacctactag cttctcatag tagaacactg gcagagtgtc taccatcatg gcgatcatct   240

ctctctcaac catgggagga gctacttat   269

<210>   239
<211>   246
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   239

ctacactgac tcccagcttg tctaagggct agtggcanac atatatcaag ccaaggaggc   60

agtattgctc aagtactatc atgctgcana aacccttatt gatgactnta atcgcttcaa   120

gatgtaccat atacgggggg agaacatcac cagagcagac ttgctctcca agttggctag   180

cactaagaga gctggacatc ttaagaccat tatgcaagag acactccaag cacctaccat   240

agacac   246

<210>   240
<211>   271
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   240

acaacctcaa gatttatcat atacttatca agagaatcaa tccttaagag agactntcca   60

nattcattgg aagcactgag aatcttgaca aactgttaat atacagtaga tgtccttcta   120

acagatctgg acatggatat gaaggagata cttatgttca tgataaggaa actaccaaat   180

gttatttctg tggaaaggat caatgttngg tcaaagatcg cattggagac ccttctacca   240

ttgtcatgac ttgagtgcct tcaatcacta t   271

<210>   241
<211>   425
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   241

gatcggccgt atttcctggc cgacgccgac tgtcattntt ttcgatcaat atcggtgaat   60

aatactttnt ttgccgaggt gggctaatgt tttcctggcc gaataaatgg gaacatgcca   120

gtttcgggcg aaacgaaaca tcggttgagc tcgcacgaaa aaacctagcc cacctacatt   180

gtaagttttt tatgcaacac cgaaacaaga aaacttcccc tgccgtaaga aaaaacatta   240

tcggccagcg agcatttttt tttaaaaaaa attgcgcaat gtcggctgaa aaatatcagt   300

cggngccatt tcacgaccga tgtcggctat tttggtttct attcaatccc tgaatgaaat   360

ttgcatgatg tcgattaaga aatgttngat ccgcgtgatc cggtgatgct ttttttttaga   420

actcn   425

<210>   242
<211>   253
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   242

tcttctcaat gtccgttaag tcttatggac ttcttgccta taaaggataa gccttttctt   60

cctgcctctc attntttgct tcctgcácgg ntgcacctcc aatatnttta atatccnctt   120

attacccctc tctgcttctt ctgttgggct tcttctccct tctcaacact atggcagaga   180

tcctatgcaa ctgaaccana ccanaatctt ccatcaagaa caaaccanat tngaaaaacc   240

acaatggaca aac   253

<210>   243
<211>   393
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   243

tgcttcttct agaagcaatc gccttctgga ggaatttttct ggaaggccca agtgggccta   60

```
gttgctattt gcacccccat ttttactaaa tacaccactt gctctttttc ggagatttcc    120

ctccgcacca aacccaact ctcccttgt ctcgtcctct atcacgtcag ccctcaaacc    180

tttcttgttg tcctcctcct ccctcatccc aattactacc cctacccaac tacaaacatt    240

tacctcacgt cgcgtttact tcacatacct ccccgtccct gcgcattcct ctcctaccct    300

tcgccaccta gtccccattt tccctctntc tccctctcac ttcctgcttc cacttacccc    360

cccctcttc cttctctcct ctctcctctc ccc                               393


<210>      244
<211>      416
<212>      DNA
<213>      Glycine max

<400>      244

tattttcctg aatcggacat ccgagtgaaa agttatgacc attggaattt ctcgagagct     60

tccgctgttc aaatttgaga gtctcgatat attatgtccc caaatcggac atccgagaga    120

aaagttatga ccaattgaat ttctcgagag cctacgtcgt tcaatatcga gcgtctccaa    180

tattatgcac ctgaatcgga catccgagtg acaagttata accaatcgta tttctcgcga    240

gctttaggcg cgcattatac tacacctcca tacatatatt ccactgactc gtcatcctac    300

actcaaacct attatcatct ccatatcttt ttgataaagg tttcgatccc atactcactc    360

ctatctctcc ttcattctcg ccatcagttc ttattttctt tccactcgat ttatcc       416


<210>      245
<211>      222
<212>      DNA
<213>      Glycine max

<400>      245

catgcttcta tcttgagatt atgacacatg ctaattcgga ggagatgatg attcgcgaga     60

tgtatgcagt catctcagat attgtggttg gtactctctg aacaggtcat taagcgaact    120

tagcatagtt agctctcttt tgctagagga caagcaaaac tatacatact ggggagtttg    180

atcattgacg tacataagtg gattatgcaa ttaagacata ta                       222


<210>      246
<211>      429
<212>      DNA
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100

<213>   Glycine max

<223>   unsure at all n locations
<400>   246

gggatgtgag ctcttgtaga cttttctttg caggaatgta agctttatcc aagaganatg   60

tatggtcatt ggttgtcatg ttttcaatta gctccatagc ttcattaggt gttttaact 120

ttatcttacc tccaacggaa gcgtctagaa gttgcttcga gtgaggtcgt aagccatcaa 180

taaaaatatt tagttgtatt ggctcactaa atccatgcat tggagtctga cagagtaaac 240

cgtggaagca atctagagct tcgctgagtg attcgtctag ggactgatga aatgaaaaga 300

tatctacctt tccttgtgct tgctttgatt ctggaaagta tttcttcaag aatttatcca 360

caacctcttc ccaagttctc aagttatttc ctttaaacga gtgaaccat ctcttatctc 420

actggcagg   429

<210>   247
<211>   215
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   247

tctcactacc ctgtttctgc cataacttaa gcctatagat aattctttac cccatgtngt   60

ggtcctaaag aatagtataa tcatcacata ctaggtatcg tttggaatct tttaaatgag 120

aaagaggata ctatctcgat aatcaatata taatcataat tcatgagtat caatctaatc 180

aatataatca taattcatgc taatcaatat atact   215

<210>   248
<211>   510
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   248

atgacactga gactctttgn actnccctag aatcctctag agtcgatgct gaggcatgca   60

agcgttggca aatggagagg aatattttgt ttctatatgg agacgacgaa gagagcaagg 120

tgttggaggt ttctgacaaa attgaaagga tttgatttga tcgcaagcaa taggtgtggt 180

agtaagggta ggggacgaag gattggccgt gtgataggag ggcaacgaac aaatttccaa 240

ggcaacgaaa aatgatttac attttttatt ntgttcgcta aatgtttcat aagtcttact   300

aaagtgaatg caagcaaaag aaacaaatat ataaaaagga taattaccat tttagtcatc   360

cttgaaattg caaggtgttg tcccattact ccatgacaag aacaatattc atattaattc   420

acgtgtctct caatacgtcc ctacccttaa aactctttca tctcctcacc catcctgtca   480

ctctctctct tttccatcta ttatgtgtcg   510

<210>   249
<211>   239
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   249

atggtgtctt ggagcgtgct tgtgattntn tctttcgcca tgctgcacaa ctntcaggtg   60

ttcccttgag aatggtggag agaagcagaa ggcagttccc tcttagaana gcccgtgatg   120

ctgcagaaga catgctctct gggctactca nagccaaggg tgatggattc atgacattga   180

tcgaaaatgg taaatggatg tgtgacgagg cacctcacag tggaaatgaa tatgtaaac   239

<210>   250
<211>   255
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   250

cgatggngca caacaagctn tccacatcca caatgcgcgc ataaacccac catccnctgg   60

tgcccacctc caactgagct cacgtactcc cacgtagccc atctcctcgt ttctctcaac   120

accgggtccc catcaatcct ctcaagcttc cacaacatcc aagcanaaca acgttcaaac   180

agcacaagct atcacagcca agcaaaacag agcagaggca gataactctg ctcaacacat   240

caaccaaaat cacag   255

<210>   251
<211>   230
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations

102

<400>   251

aatttctggg tccaaaataa tgtccaatan aaatgcgact catcactgtc aacgtaaaca   60

attaacaatc aacatctaat ttcggggcta gagactaaaa tagcgagatt acaanaaaat   120

ggaagactca attgataaat taaattacag gggaaccaaa ttgtgagcta naatggaaga   180

ctcaatccga cggcctcagc taccgtttcg aactcattcc ggacaccaat   230

<210>   252
<211>   224
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   252

catctacaac agacctcctt aacctcagca gtatattcat ccacaacaga ataattatga   60

cctctccagc aacaggtaca atcccgagtg gagaatcatc ccaaccttag atggtcgaat   120

ccttcacaac aacagcagca acaacaacaa ccttaatttc anaatgctgc tggcccaagc   180

agaccatacg ttcctccacc aatccagcaa caacaacagc aaca   224

<210>   253
<211>   426
<212>   DNA
<213>   Glycine max

<400>   253

caggctccac cagttctagt gaacgtgctg cccataccat tggcgctttc aatgcggcgc   60

atagatgtga tcgcggcaat tgaacccaaa gcttccaatg ggcatcgcta catcctagac   120

gctatcgatt acttcactaa gagggaggaa gccggttcat atgctaccgt gactagaaat   180

gtggcggtta ggatcataat aaaggagata atttgcaaat atgggctgcc gagctatatc   240

atcactaaca acgccgccaa cttgaataat aagatgacga atgagttgtg tgggtattcc   300

aagagaccac accataattt gactccttat cgacccaaga tgaatgatgg agttgacgcc   360

gctcacaaga atactaagat gatcatctta gagatgacag cgacatacaa aggattgcac   420

gagacg   426

<210>   254
<211>   505

103

<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   254

ttgacccctg agntttgaga cccccgtagn atcgncgatn ctttggagaa gaantctagg   60

catgcaagct tttaatggaa gtatagagca tganagtgtt ctgataccat taactagtca   120

atagggtctt gagcaggttg aggacatcca tactatattt ggaaagaccc aaaagaagga   180

aaaaaagagt aaaacttgca tatggaagaa gaggtcgata ttgtttgatc ttccatattg   240

gtttgatcta gatgtcagac attgtagcaa tgttatgcat gcggagaaaa atgtgtgtgg   300

tagtgtcatt ggcacacttc ttaacattca aggcatgaca aatgaggcgt agaacactcg   360

acacgatctt attaatatgt ggatctgaga ccacttactt cctaggtttg acggtgaaat   420

gttatcctct cctcccacta gtgatacttt gttcaataac acattaactt tacttccatc   480

ttattctacg cttccttctc ctccc   505

<210>   255
<211>   432
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   255

gttgattact attttttaac atcgatttta gcgtcaaccg atataaaaag tgctttacaa   60

caccgatttt cattagaacc gatgtaaaaa gtgctttaca acatcaattt tcactagaac   120

cgatattaat gtagttnttg cataattaaa aaaatatttt gtttcacaag aaccattttc   180

ttcgtgatcc attttttttaa aaacataatc ctgtgaccat gaagaacaaa actaagacac   240

tataatatta atataataaa tgcaacatga agcagctagc gaacttcaaa aaaattattg   300

cgaaccaatg atttgatgtt ccagtagcaa cttggaccct tggaatgctc gtattgctta   360

tagcatccta naagaataac aattattagt tgcattgggt ggtttccaat tatccctgaa   420

aatatgtcag ct   432

<210>   256
<211>   206
<212>   DNA
<213>   Glycine max

104

<400>   256

gcataatcca taatgctgca naacannata cacgcatgaa taaactctta atcgacatat   60

ggagtacata ggaanatcct ttcttaatag ttccagcctc catagacaat aacgttgctt   120

atgaattaag aacaacaata aaactagtct gaatatgtga aacacataat ctgaagaaag   180

aatagctata ttcatcaaca gcaata   206

<210>   257
<211>   221
<212>   DNA
<213>   Glycine max

<400>   257

tatagtaaca ggcanacgga aggattccac acatactaag ccttcattgg tgatgacgaa   60

tttgttgaat ntgatgagaa cctcattgca atcttcaagc acatattcaa cctttatgga   120

gaatattctg atagtgccaa aaagaagata gccaagaact ctattgcana atcttgtctg   180

cagaagggaa aaatganatg aataacataa cataacatta a   221

<210>   258
<211>   478
<212>   DNA
<213>   Glycine max

<400>   258

gcctcgccaa gcattcccat tgaagaacca ttattcanac ctttcanagt tagtgagaag   60

gctaaaagaa aaattaggga acttagaana actaaatcct taattgaagg agtaggcgat   120

aatcatggtg aattactaaa caaatnggta gtttacttaa ggtcatccca gaaactccnc   180

aaacttcaga taatacttcc aaaatggtaa caagaagtac ttncanataa ttaatgtatt   240

aatgaagaat gtgaccaacc tcaaaaatca agtggataga tcagttcaga aagaatataa   300

tcattaatcc aacactggaa acacctctaa tatatataac gccaactgcc tgactttata   360

gagaagaggg aaacatntag agttagtgaa cacattatga tggactgatg caacgagata   420

catatgatcc tcacacatga ctgagtcact acaactcatg atgtaaaaca tatatatt   478

105

<210>   259
<211>   507
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   259

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agggatgact ccttgagacc atcgatcctc agagacgatc tcgcaggcat gccagcttaa   60

tgagtatgga agcgtcacaa ataacttctt aggttttttat aatctaatca ggaaccagaa  120

tctcggaggg gtgaagacac ccactacctg cgatgagttc ccgggtggag tactctggct  180

attgtaaatg gtatagtcat gatagcttcc attgtttagc actatcacgt tttacattat  240

ggagaaggcg cagacagagc ttatttttatt gctgacgtgc acgcccaggc gcagcactct  300

cgagagagtc ttttaacagt atacgcttct gcgccatctg tgctatgata attcgaggtg  360

aaccagaata ttcttatcat gctgctcaag aacaatgcta gagtttatat tctgagctat  420

ctaanacgat gggacattcg ctactccgtg aaataacaac cgcccagaat tctgcacgat  480

accttctcat ttattataat cccaaag                                      507
```

<210>   260
<211>   290
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   260

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gtttaagtct tctaaactgc ctatctatat tccatagcct ataacaactt ccgtgtgccc   60

atcggcttgt gggtgacaag ccggtgacaa taacaattta atgcccaact tgctccacaa  120

agtcctccan anatggctta agaacttaga gtccctatca ctaacaatgc tccttggcat  180

accatggagt ctcacaatct ccttgaataa cacatcagcc acatgggaag catcatcaac  240

tttcttacat ggaatataat gagccattnt agaacaccta tcaacaacca             290
```

<210>   261
<211>   428
<212>   DNA
<213>   Glycine max

<400>   261

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gattggtgaa tcttcctgct tttattggtg accacagagt ggtacctgga gatatgtcgc    60

ggcggtcacg agaccttggg gacgtcaggt ggggtgctat tgcccaaaac caagcttgac   120

caatcccgac ccaacccggg catagtcggt cagtgagaac ctgtgatgta cctaaacagg   180

cgagctcctg gcagtcaaca gataaaagga acaaagacca caaagcaagg aggcttgtgg   240

tagctggcca gctgtgaaac ttgattgata tgtgagatat ggtctctggt aatcgattac   300

caagggtgga gaatcgatta caaggcttat aaatgaagac aggttgctaa catggtctct   360

ggtaatccat taccatatgt tgtacccgcc aacaggctcg gacactgatt cgagaactat   420

aggacccg                                                           428


<210>        262
<211>        421
<212>        DNA
<213>        Glycine max

<400>        262

taacacttta acgtgcatat gttagcaggg tgtaattaat tacacactgc ttccgtactg    60

ctaaaccaga acaaaagatg attaatggta gatgtttttt attatcgata aatattaatt   120

tattaatttt tgttaaaaat atagctcaca agagtaatat ccaattcata tatggttcta   180

tattgtgatc ccaaaagatg cacgacattt ttttttcttc tttccacatg aactcatata   240

tcatcctaat ctacaatggt ataagtgaag attgtaccat acctcatata atactactga   300

gatatgatca cgttcacaaa tgaatttcat tcccatttat tctctactct ggataacatc   360

ctccaactat attatcaacg cccacctgcc cctgaccttt tttagaaaaa gaggtgtaac   420

g                                                                  421


<210>        263
<211>        493
<212>        DNA
<213>        Glycine max

<223>        unsure at all n locations
<400>        263

ttgccctgac cctggacctc gagaacgtga tacttacact cacctgaaga tgcagcttga    60

gaatatgtct atactggatt aaccnattat agccttatca taaacgacta cacaattgct   120

cttgagacaa cgactgattt attcaagaga ctgtacttta atcgattacc atgccatata   180
```

```
atcgattact tcccttttgta tgcgtgtgtc agaagcgaac aagaacactt taattgatta   240

ctttgagtat ctaagtgatt acatagtcct tatgttcttt ccaattttcg agaagaacgg   300

tttaatcgat taccaagata atctaatcga tacatcattg aattgagcga ttaccttgaa   360

gactcaactg ataacagacc ggtgtaggtg ttttctctat aaacaaccaa cttgtgctat   420

gtataacaac acaacaattt gatctctagc agagcctgca tcacttgttg ttattaaata   480

aagaaagaag cat                                                       493
```

<210>   264
<211>   509
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   264

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ttgcccttgt anccttgntn acntccggag nnccgctgat ggtatgcagt cgatctcggg    60

gcatgcnaga ctaagcgcat agttggggca tttatcacta ttacctgtat cacatacctg   120

atccgattat gacttgtact gtaaagaatc acgagtgatt gatattatga tcctcgccac   180

cttgttcttg tacgaacaca tcataacact tatagagntt gtactacaca cagcacactc   240

tctgatttag ggataggtgc atgcttgaac tatgattgct gggattgctc gattgtagtt   300

tgagctcttt tacgctgtaa actcgccgtg acttgagccc aacatcactt acatacactc   360

ttctatatgc tcttactcgc ttcaaatgta atatgatttg gaggcgactt taactcgcgt   420

gtgacttgcc catgacaact catatgactc ttctcaaatc aatctacggc cctatgttat   480

taccaatgtg agttgatatc atcctaagg                                      509
```

<210>   265
<211>   485
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   265

```
atganccttg agcccccctcg agngcccggg atccttagag tcgacccgcg gcatgcaagc    60

tnggactcat gagcggcccg tttatgactt attgaattga gccttgtggt gttactagtg   120

ctattactta tggcaccgat gagagcgcac cgactactca ctcaacagcc tattgtaaat   180
```

108

```
ggacactgac taaacccatt cctaacacac cgttctatag cgcgacgagt ggcgtgagag   240

acttacttac tccagcctac tctttcaaca ccaagactta cagagaattt catttcctat   300

ctccctcatt aagtgtatta cactagtgac cttctatgcg atggtttgac tagaaaaaga   360

gcttaactcg tgccacactg acgactatga gcagtacatt agagcgatgc tgttaaatac   420

agtccacctc tattttcctt gtcaagacaa atctacatgg acctctgtta gggggtttcc   480

caacc                                                                485


<210>      266
<211>      435
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      266

ggaaaactta ggcaatagac actagtatct tagcaaaatt attattatta ttattatttt    60

tactttaaag aatagctagt cattgaaatt tttctccccc cccccttttt ttcttaaaat   120

tttatattat tatctatata gtttttccta cacacacaca cacacatata tatgtatagg   180

tatataattg tacatttatt tctggcaaat caagaagcta atttgtgcac aaaatcactc   240

tagaatagcc ttaacatgag tccaaaacaa catttaagca caaatttaaa tcctcttact   300

tgcttcaaat ttaataagaa atggtggtga cttaaactcc acaagttact tgcccatcaa   360

caactcanat gactnttctc aattcacaca acaaccctat ggtaaatacc aatttgagtt   420

gatatcatcc taagg                                                     435


<210>      267
<211>      200
<212>      DNA
<213>      Glycine max

<400>      267

atgaactcta tggactagta ctcattgtgc tggatacata cttgataatt gttattgtta    60

gcagcacctt ctctgttcat ttagtttcat atattcatcc ttagacatat atgatctttg   120

taggctgaca tatatatgta acatggaggg aatgaaagcc agcgcaattg cactcactgc   180

tctagcagaa tatacaggtg                                                200
```

109

<210>   268
<211>   272
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   268

gctcttaact gcacaaggct cttaatatgt gaagagtatc cttgtgtaac cttcacncga   60

cgaagacact gacanagact tatcttcttc ttattggaca cagtatggca ggctggcggc   120

aagtaaatat tcatcccatc agaccttgga tgcaactgtg atcgtatgcc catatcagct   180

agatcttaac gggtattcaa gccatccttc gtcttgcctt gaatggtaag gagcgtacca   240

atcacactgt cacaaacatt gttctccaca tg   272

<210>   269
<211>   451
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   269

cacgcctgtt catntgactt tgccaccaca agtgggtgac tctctatcgt actcacgctc   60

caggacgcgt ctcctgcaca gaatgcagaa ctctctcact gcgcaaaagg agtgtataga   120

cttttcttca tatatcgagg cccgcatgca tcttcgtgac actattgacc ataaagcatt   180

cttgcacatg catgatatga aattctgatc ctaatcatat gcctcctcan gttcatctcc   240

aagtacagtt gacagtgtgt gtttcttatg caccttaac tattgcaaat atgatgccgg   300

ccactataca tatcacgctc tctacaccag aggacctttt ctatcttgaa cacttcatat   360

attgcgccca tgacctatcg catccccact attacgccct gagtaccaca atgcttacca   420

atactcctct ttctcattac tacacaaacc g   451

<210>   270
<211>   262
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   270

gaactcttaa gagaaaatgc attagaatct cttttgatga atcttagann atattggacc   60

gtgataagtt cgcanaaaga gtcagaanag acacanaaca agtaaagtat ttatagatnt 120

agcaganaga aatagatcca aacgattagt aatcactggt atttgattaa ttngatcata 180

ataccttgt tntgcattnt caaaatcatg gtaatcgatt acaatatgtg gtaatcgatt 240

atctcannat aacatagatc at 262

<210>   271
<211>   146
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   271

cttcattttc tccatgtatt tcctcacatg tcttatgtga atggtgtaac atgattctnt 60

agaatttcca ccaatttaac ttgctataga agctagattn gatttcctct agttcanatt 120

tcttggtctt gntcttgaac catgaa 146

<210>   272
<211>   99
<212>   DNA
<213>   Glycine max

<400>   272

cgtatcccgg tgagagtgtg atcctttata tttgagagaa acagctatca tttagcattg 60

atttttgcat gaatctctga agtatggact gaatgcatg 99

<210>   273
<211>   227
<212>   DNA
<213>   Glycine max

<400>   273

ctctctgacc tgggaatttc cgttcaactt attgaccatt agtttcgagt cgatgaacac 60

gtatcttgta tttattatat tatttgtgag cggaagcgct attgttaatg cttgttcaag 120

taccacccca tatcaggatt cctataagat tctcgctcca catagtgttg tactggatgg 180

gccattgaca aatgtaacac cctctaccct cacacataac gaataaa 227

<210>   274

<211>   418
<212>   DNA
<213>   Glycine max

<400>   274

accaattaaa gagttcactt ccaaacatcc cagccttccg tattggtaca attgaaacat   60

tgagaaataa tcaagacttg tgtggaaatg tctctggctt ggaaccatgc ccaaaagcaa   120

gtaaaaaatc tcaaaatcat aagactaaca aagtcatatt ggtattttta cccgttggtt   180

tgggtacttt aatattggca ttatttgcct ttggagtctc atatcgtctt tgtcgaagct   240

cagagacaaa agaacaccag gatgcaaaac caccaggcca aaatctattt gtgatatgga   300

gttttgatgg aaaaatggtg tatgagaaca tagttgacac cacataagag ttcgacaata   360

aacatctcat tggagttgga ggacaatgaa gtgtttacaa agaagaaatt gacatact   418

<210>   275
<211>   508
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   275

atgaaccatg aancttgata ccctcgagan ccggcgaact ctgagacgac ccgcggcatg   60

caagcttgtt gagatacctg gcgaatctca tttttttctat ataaaggtaa tagaactaaa   120

tcatataaat aaaaggcaga caaaatgtcc attgtaaagc atgaccacat caatttcatt   180

tgcattagtc ttgaagacat aaagattcta catgttgcaa gaataagaat gtaacagtag   240

aacatcccat ttctcagaga atgtttacct attccaaaat atggttgtct tcaatgctaa   300

gcaatgtaga ccatgctcat tgtgcccatc catttgaatt tcactcaagt catcaccaac   360

gttaacaagt tctctagagc acctgactat cagacgacaa agatcttttg ataaagaaac   420

ctcgtgacaa gtaacaacat cagcttccac aaggtgaagg ttaatacttt tcctcaatga   480

ctcattcatg catgatgcat acacaccg   508

<210>   276
<211>   437
<212>   DNA
<213>   Glycine max

<400>   276

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cttcaaacac ttgtgtaatc gattacgatc aacctgtaat caattaaaac aaagagtttt    60

aactatagag gaaatcttct aactttagaa cttttcttct aaccccctaca tgatgatgca   120

tgatgcacat atgatatgat agagactaag atgcaacaca caatataaca atcaatacaa   180

atgccactca agagagttgg gcatgtaaaa aataaaacat cttaaagctc ttcttcaagc   240

ttcaaggcta acgtttcatg ttgctcctcc tatctctaac aatattttca tggcacaaaa   300

catatatata tatatatata tatatatata tatatatata tatatatata tatatatata   360

tatatatata tatatatata tatatatata aaagtgaatg atatgttttt cacatagaag   420

gcgttccacc acaatag                                                   437
```

```
<210>      277
<211>      519
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      277
```

```
cgtgttgann ccatcgatna actgacactc tataatactc aagctgggca gcanacgtat    60

gtatgattnt aagttggctt gggagtggtt gctgacattc ctttctagtt gcacctatta   120

ctaatattta tgtttgaatt cgcatgattc tattttgatt ttaacatgac ttatgtggga   180

gcagggatga tttgccccca ccttggatat tcgtctttgc tccttggagc cattctctcc   240

ttcggagtga tatggccgct cattgatcgt cgcaagggag attggttccc taccaattta   300

gatgagagca tcatgagagc tttgtacggc gtcgaggtct ttctaacagc tgctctcatc   360

ctcggtgatg gcttatacaa ctttgtcaag attttagttt tctcaatcct tagcgtacat   420

gaaataacta agaaccgtgg aaatggtatg acgtacatgt caattcccac tctcttgtct   480

gatattagtc atgaaaatta cgtcacaatg ctcattccg                           519
```

```
<210>      278
<211>      453
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      278
```

```
tatctccgac agccaatggg tgagtctcgt ccaggtagtc ccgaaaaaga ctggcctcac    60
```

```
agtgatcaga aatgagaagg aggagctgat tcctactcgg gtgcagaaca gttggagagt   120

ctgcattgac tataggaggc tgaaccaggt taccaaaaag gaccattttc ccctgccatt   180

cattgaccag atgcttgaac gcctggcagg taaatcccac tactgtttcc ttgatggttn   240

ttctggttat atgcaaatta ctattgctcc tgaggatcag gaaaagacca cattcacctg   300

ccccttcggc actttttgctt ataggaggat gcctttcggc ctgtgcaatg cccctggtac   360

cttccagcga tgcatgaata gtattttcag tggattttta aaaaattgca tagaggtgtt   420

tatggatgat ttcactgtat atggatcctc ttn                                453


<210>      279
<211>      265
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      279

taacgatttc taattatgtg ggccattaag tctatcatat gctaacaata gccgagaagc    60

ccatgaatct cttcggnggc ggagtaggtg tctgccattg ccttggcctt ggctaacaag   120

cggngaagtt cttgactccc gttcaaggta agagcaaacc gatccatcaa catggttgcc   180

tcttagtgta aagagtcgat caccccttcct ctagcctctn tttccgtgta tacttgagca   240

tactcatccg cgattctatg ctcgt                                        265


<210>      280
<211>      456
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      280

naggtgtttt gatgataaca atgatgacaa caaaatatga tgaaaaaaaa gctcaagtga    60

atcaaagaac atctcaagag aatcaagaac aagtcaagag ttcaagaatc aagaagaatt   120

caagattcaa gaagaaagcc tacaaacaag aatcaagatt caagattcaa gatctcaaga   180

atcaagatca agattcaaga ctcaagattc aagaatgaag aaaagactca atcaagataa   240

gtattaaaaa gttttttcaa aactttgaat agcacatgag tttttgacaa aacctttacc   300

aaagagtttt tactctctgg taatcgatta ccatattgtt gtaatcaatt accagtagca   360
```

114

```
naatgagttt gaaaatgtnt tcaaactgaa tntacaacat tccaaatatt ttcaaaaggc   420

tggaatcgat tacaatgttg tggtaatcga ttaccg                            456
```

<210>   281
<211>   264
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   281

```
gtatcacaat atatgtagct acttcccttg agaaaaaatt aatggaaaat taatttgatt    60

ntatatnnta cttcaatttt ttggcaatgg ccggattgaa aaatatttaa ttgaataagg   120

gtgttatatt gttgaatntg tcaataatac atgtgttgaa gttattttgg ttttttttac   180

ttgattactt agtacccttc tctatattaa cgtttattat anaataagtn gtttataact   240

atgactaatn gttcatatta aaat                                         264
```

<210>   282
<211>   246
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   282

```
agcaattggc aatttatact ggaatattct aaattacaaa tgtntataag aaacaaacct    60

gcaaatgact agctacttgc tctcttatca aagcagggat attcatagct tcaacaatcc   120

tctttggctt tgcttctgaa gaataatcaa gggagaagat taattacaat tatcatagaa   180

ttaagccata tacatgttnt aaataccaa ctaagaggaa tacanatggt gaagaataat    240

catact                                                            246
```

<210>   283
<211>   457
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   283

```
taaaaactat aaaatgcaag gtaaataaaa tgacattcag tttgtagata tgttgggtct    60
```

ttctaacaaa caagctgatg catagaaata tatttctcta atcaatcgtg ctcttgtgtt   120

ctatgttgta gcctaaatta ctaaaccctc gatccctcgt caggatgaat atccaagctt   180

tgtccgcaga tccctcattt aagactacac ctgatttaga cagccctctt aggtatagac   240

taacttaaac tgagtntcat ccgcagatcc cttatgtaag actagactca cttcagtagc   300

ttaccaaagt taagcctatt taagccaaag ctttgaccgc atatccttat gtagactagg   360

ccaacctaac cagctttatg tacagcatat ttaaaccaac cttacctcgc aatccctcat   420

gaaggctaag ttaatcctgt tcatcaattc taggcag   457

<210>   284
<211>   429
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   284

gctcactaca agccttaggt gataaaccat gatattacca tatccttaan ggaatttgga   60

gctttggaat tgttntggga ataagtgtgt ggggtctatg gttcatagga acacatgcct   120

tgttgactat gcttcatgat gtattntggg ccatacttga tgtacattgc atattggcta   180

aatgttggac atgctgaatg aaatgttgtt tctcataggt aaaagaaaac aataaagaga   240

acagcaatac agttgagtga ataagatctt aaatggcaca agaatgatga gactcttggt   300

tctactcttc atgtctaatt ctatcttgac tcttttattg cgtagtgttt taatatgcac   360

tatcccttng ctctctattc tttggattac cactattcat attctcatac cttgccttgc   420

ccatacacc   429

<210>   285
<211>   544
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   285

cgactgattg atttgattca gtactcgnag acgctgatcc tttatcactc acctgcgcgc   60

atgcaagctg gcttctacaa ccctgtcaaa cttaagtgtg ctcgnagngg gactgacaac   120

ccacgtagag tctgaaaacg agagtcttca cagtgcacag tcatgactgt gatgagccta   180

116

```
gtcctactcg ggggcagatc atatggagag tctgctttga ctattaggat gctgcaccac    240

ggttaccata aaaggaccat tttctcctgc cattcattga ccagatgctt gaccgcctgg    300

cacgtcaatc tcactactgt ctccttgatg gtttctctgg ttatatgcag attactattg    360

ctcctgagga tcagggatag accacattca cctgcccctt cggcactttt gcttataaga    420

ggatgccctt tcgcctgtgc catgcccctg gtcctctcag ccatgcatga ttactatttt    480

cagtgatttt atagaacatt gcatataggt gttatggatg atctctctgt tttcgatcct    540

cttt                                                                 544


<210>      286
<211>      451
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      286

acanaatcta tgtatccaaa acccctcaat ttaatggatt ntcaagtttt gagaagtgaa     60

attgggaatg ggataaattt ggagcaaact ctcacctcac acaagtctat aacatcaatt    120

taaacttgtt caaactggat ttacacctaa aatttcactg aatcaaaatt tgactcctca    180

acccccaatt ttaccctaga aatggctctt tgttcagttt ggtcatttgt ttttctcttt    240

agcacagccc anactttctc ataagtccta aatgacattt caagctagga ttaactcact    300

ttaacctcca aataccacta aatccagatt tggccttcca actctaaaaa attcactctt    360

tntccactca taacaccata atctcacctt ctaacccttg gtaattctac ccttatctct    420

aacagtttcc ataacaattt caccacaaca t                                   451


<210>      287
<211>      54
<212>      DNA
<213>      Glycine max

<400>      287

gtgaaagggc tagtgatgtg cttgtgtgtg tgtgtgtatg tgtgtcttgg agag           54


<210>      288
<211>      457
<212>      DNA
<213>      Glycine max
```

117

<400>   288

cccatcaact gccctaactc tttcagactg gtgattccta gtctcttgac cttgacttga   60

tagaacctct ttttaagcga aggcgcctga ctcgatccca tgtttacaa agtgaaacaa   120

aacccaatgt gaatcaaaac tccgacatct atcatgggtg gaatggatga atgcttgaag   180

aaatgcatat gacacagata cattttatga atacgggagc ccgggaaatt gtccccttct   240

tagatacaac attttgggca gcatggcgcc tgacgtatgt atttaagaag gcgaaatgga   300

ccctccgtcg gtttgacaaa gtgaggggac caagacacaa tccgtgcatg atgcatatgc   360

ggaaggcaca aaacggtgat gtacatagta cgacaatatc cacaaacaaa tataagcaaa   420

ggcatacatg acatttanga ctacatgcat gacagtg   457

<210>   289
<211>   402
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   289

gctagagctt agctacacat acctctctaa tagctaagct cacctccttg agatgagaag   60

ctagagctta gctacacacc cnctataata gctaagctca cccncatgac ananaaaaca   120

tganaataca aaanaaagtc cttactacaa agactactca naatgccccg aaatacaagg   180

ctaaaaccct atactattag aatggccaaa atacaaggcc caaacgaaga anaaacctat   240

tctaatattt acaaagataa gcgggtcatg cttagcccat gggctcgaaa tctaccctaa·   300

ggctcatgag aaccttangg ccttcctttg atctctagcc caatctactt ggagtcttct   360

acccaatgcc cttgcaggat aggattgcat cacatgtcat ga   402

<210>   290
<211>   457
<212>   DNA
<213>   Glycine max

<400>   290

cccatcacat gtggtactag gtggcggtcg ggcgatggtg cacaacaagt tttccacatc   60

cacaaagcgc gcataaaccc accatcccct gttgcccacc tccaactgag ctcacgtact   120

```
cccacgtagc ccatatcctc ttttctctca acaccgggtc cccatcaatc ctcccaagct    180

ttcccaacat caaagtaaaa cgacattcaa acagcacaag ctatcacagc caagcaaaac    240

agagcaaagg cagaaaactc tgccaaaaca ccaaccatat cacagctttt ctcacttaaa    300

gactccaata acaattcctt cgttccggtt cattaaccgt tggatcgact cgaaaattgt    360

actggaagtc tttagtacat aagcctacga tttgaccgtt gggatctact agcacacatc    420

cagaactcat tgtacattac tctctccaca accagcg                            457


<210>       291
<211>       219
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<400>       291

tattgtagcc gatgctcttt ctcggcgtca tgcattactt tctatgcttg aaacaaaatt     60

gattggtctt gaatgtttga aaagcatgta tgaaaatgat gaaactnttg gagaaatctt    120

tagaaattgt gagaaatttt cagagnatgg tttctttaga catgaaggct ttctttcan    180

agaaaacaaa ttgtgtgtgc ctaaatgttc tactagaaa                          219


<210>       292
<211>       544
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<400>       292

ngggacgtgg atgaattcct gcattgtccg cacccggtga tcctntacag ccgacccgca     60

cgcatgcaac ctttatgaac tcacggngga naagcctcga actttgacac tcccgacgcg    120

tcacttatta gggtttgttt cgtggagcgt tttggcgacg atagagaggg cgtggaggcc    180

gctctggagc tcctcggcga ggaggtcgta gacgagacgg tgtcgtttga cgaggctctg    240

gccctcgaac ttgggcgata cgatcttcac gttgaagtgg gtttctttgt cggaacttcc    300

cttcacggcg gcgtggcccg cgtgctggta cgacacgtcg tccacctcca aaacggtggc    360

ttccagcgcc gtttgaagct tcgagcgaat cctgctggct cgagatagca gcgcgctggc    420

tcctctcgaa ctcattggat cggatgaatg gtggcgtcgg gttanggttt tgagaacgga    480
```

ggagtttccg cagatganaa catggacaga aattgggggag ggaaagttat atttcccctc   540

tgcn   544

<210>   293
<211>   480
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   293

ntgaacccan agtaacaact atgacttggc tcaacaacac ttgttgcgct tactctcaac   60

cttcaaaagc aataactccc taattgatct tttaagattc cctatcctaa atgagttttg   120

tttgggggaca aatacctaat acaaaaaaac tcaccaataa gtctctattg agaatatgtt   180

tacatacatt ctatggttaa gtgaatttgg ctctaaaggc ctatagagtt atatatctac   240

aaaatgactt ctcctttccc caacatagtc atgagttntg ctactttaga aaagtaagcc   300

ttctttcttc acgtaagtgc agtttttttt tcttgttttc tagttgtatt gcttgtataa   360

gacttatgat gacaaattaa tctctcattt ccagaatgat tcatgtcttt tggagagctt   420

gtcacttcat atgcaaatat attgttgcat ggcatctcct tccttgcttc taatgtgtgg   480

<210>   294
<211>   424
<212>   DNA
<213>   Glycine max

<400>   294

gggagtttta catatatgac aaaggcgcaa cgcgttatgg ttgaaaatac ccttctggtc   60

tttgactaaa aatataggta ttagatctgg agtacagata atcaagctaa aggtataaaa   120

gatagcctat gtggatcata acactataaa ggtgtgacca ggctttacag atttctactg   180

ttattatatt ctgtcttttg ctctgactct gataattatc aagatccttt ttcatatgtc   240

tccgcaccgc ttcacattct aattcattta cgtgtatatt tctttacact ttagaaacta   300

catccatcaa ccatgccctt aacgtctaaa tctgtgacct gtcatcgatc aagcagaagc   360

ggtccaacaa aagtgaaaag acacgatgcg gactttccca tattggagag atattcctca   420

gacg   424

<210>   295
<211>   353
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   295

cgacacataa ctcccaccgc atatagaata tcgggccttg tattggttag ataccttata   60

ctccccacaa gactcttgaa gaccgtggaa tctaccttct ctccttcatc aaactttgat   120

agcttcaagc caccttccat atgtgtgttc acgggattgc aatcaagcat attatatatc   180

ttcaacactt cttttgtgta gctttcttgt gagacacaga taccattctc ccgttgttca   240

cttncattcc caagtatatg acatgagtcc atatttgcat atcaattcac agacatgact   300

cttgagtctc aacaatttgg tattgcgata aataggcatc cctaaacaat aat   353

<210>   296
<211>   436
<212>   DNA
<213>   Glycine max

<400>   296

ccagtttcct gaaaatatca aggaatctcg ttagatggcg gtcgttgtcc ttcttggaag   60

gtaccacagg atatggtact tttgtatcct catttgaagc ttttttcttgc ttcttctctc   120

ttgctttctc acttctactc ttttctttcc cttctttatt tttttcaact ttttcttttt   180

cttcattttc tttttctttc tctacctcta tttctttttc ttggtcgttt atttctttct   240

tctcgaccgt tattggtttt tcactctcct aacttgtcac atctgttgcc tcctctttct   300

ttttctcaat gccatccttt acaacaatat gtttctccaa agccaccctaa tcctcatcct   360

caactaccaa acgcttattt cttgtcatca caacattaca ttcctctgtg ggattctctt   420

ctgtgttcgc cccaag   436

<210>   297
<211>   365
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   297

121

```
ctctacaatt gcatcacctc tcaatgatct ggtgaagaag aatgtggcat ttacctgtgg    60

tgaaaaaaag gagcaagcct ttgctttgct caaagaaaag cttactaagg ctncagttct   120

agctcttcct gactnttcta anactttnga gctagaatgt gatgcctctg gagtgggagt   180

tagagctgta ttngtacaag gtgggcactc tattgcttat tttagtgaan aacttcatag   240

tgccaccctc aactacccca cctatgataa agagctntat gccttaataa gagccctcca   300

nacttgnnga atataccttn gttccanggg aattgcattc atagtgatca tcaatcactt   360

aagta                                                                365
```

```
aaggccaagt catcacgata tgcgaggatg actccccgag caagttggat ttggtatgac    60

catgccctcc tggtttctga ctaggaaatt ggcgagtgga ggagcgccca gacatttacg   120

cgacaagcat aatgtaaccc tttgtggctt ttaaactcta cggtggggcc taggctttag   180

agtttccttt tgttatggca ttatgtcttt tgttcttgaa tttataaata taaagatctt   240

tcttcatctg ttcctgcacc tctacccatt ctcattcatt tgcatgttta tttctttacg   300

cttaanacac tagatccaac aacgagtccc tcgaaggtac taatacctgn gacccggcca   360

tcgattcaag caagaagcgg gtcaaacaga gagtgaagag gacgaggatg tgggacttcc   420

cccagagttg gagaagatag tcactcacga ggt                                453
```

```
nggaatggca cttggaccac ctatttgaat ctcctatgct gtacctacat acataaaaac    60

agtcccacca tctcaatttt tacaaaatca tattcataca ccattggggc atttcaccaa   120

gcacttggtg agcgcatgtt tggacatgaa ttgcaagaga atgggagcaa tgtggcatgc   180
```

```
cccattgctt cagaatacaa cctaggccta agaccttttc attcaaatcc tcaattcaag   240

aaaacaagca ccaaagcaaa ccaaaactgc ctcacaaata taagcatgtt ctcacaattt   300

aaggcaccaa aagatgaaga aaacacatca atgggaagca aaaacatcaa ggatggaata   360

cttacttgtt ggagtgaatt gaaacaccaa aaatgaaagc aaaaggcaac caatagtggc   420

ttgagggggc aagaaccaca agccttcgtg ttctttcttt cttgaatgag aaggggggan   479
```

<210>   300
<211>   541
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   300

```
cggcacgatg tttgttgcat tcgtacccga gaccctctag agtcacctgc ggcatgcaag    60

ctngaacaga ttaaagtcaa caacactgac tgttntggtt gagaggtgga gacctgagtc   120

acacatattt catcttctag ttggtgaatg catagtcact ttggaagatg ttgctcttca   180

cctgagttta tgcgttgatg gaaaaccaat taatgaccta acatattatg attgggaaca   240

aatgtgtgca aaatatatac gtgttgttcc cccaaagaat gcactagtgg gatcaacact   300

aaaactaana tggttaaaag aaaacatgct gactctccca gcanaatcca cgcaacaata   360

attagcaccc cattgtaggc atacattnta ggaccaatta gacaagtcag gaaacanagt   420

tcacctgatg tatctacctc tgttagcaaa tcttgaacag gcaggatggt acaattgaga   480

attgacatgt ttagcacatt tgtacagaga aatgtttatg acaatttatc catcatcaaa   540

n                                                                    541
```

<210>   301
<211>   221
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   301

```
gcctttcttc ttcctgaaca cacatggtca ttaattcatt gatagaccac ttatctttat    60

gtgtcgtgta ggaaatctta aatggcccat attcatgccg aagggtgttc agaatgaaat   120

gcactangaa ggactcagac atatcaacct ctagtttctt aagtngagct gaaatatctc   180
```

123

gcattntcat gatgtactca cgcatcacct tcacacttgt g 221

<210>   302
<211>   170
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   302

agcacaacta gtcctatgtc ttctctttga gagatanaga tactcataag agttgatgta   60

ctctactata catagttctc tcactgtgtn ggtcaacttg atgaactctc tcaagtgttt   120

cataggatct tcatgagcac caccactaaa tacgttgtct atagcatctg   170

<210>   303
<211>   256
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   303

gctcgaaaga gagttatgcn ctgtacactt anacagtgtt cagagtaata tattatgcca   60

nnaataagag aacatgacac ttggacccaa tgatgtccaa tntcacaaaa ctcaattaan   120

aggcttcana accataataa aacatgtcan atatatgcaa aatgaaacta taatgtatgc   180

tctaatattc tctatcagag gacattcgat aggaacanaa tgaagtccct tanacaatat   240

tcttattgat gatgat   256

<210>   304
<211>   260
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   304

catgtggact atgtggcggt cgggcgatgg tgctcaacaa gttntccaca tccacaatgc   60

gcgcataaac ccaccatccc ctgatgccca cctccatctg agctcacgta ctaccacgta   120

gcccataatc ctcgttgtct caacaccggg tgcccatcaa tcctcgcaca gctccacaac   180

atccaagcga aacaacattc aaacagcaca agctatcaca gccaaagcaa acagagcaca   240

ggcagaaact ctgccaaaca   260

<210> 305
<211> 523
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 305

```
nccacgggna agttccccag nnantcantn anatnganan naancaaana naataagaga   60

acaatgaaaa tggaagaatt gattcatgtt tcctttgatg agtctaatgt tatttgtcca  120

agaaaggata ttttagatga tattgtagaa tctttagaac aaatgcacat tcatggacaa  180

gattctaaag gaaaaggaga aggaagcaat gaagatcctc cagtagaagt caaagaaaat  240

aatgatcttc caagagagtg gaaagcttca agagatcatt cccttgacaa cattattggt  300

aatatctcaa aagggataac aactagacac tctctcaaag atttatgcaa taacatggtt  360

tttgtatcta taattgaacc taaaaattta aatgaagcca taatagatga aaattggata  420

atagctatgc aggaagaact ataaccaatt gaaagaaata atggtntgga gttagttgag  480

aaacctgaaa actacccaat cattggaaca aaatgggtgt tag                    523
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<210> 306
<211> 468
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 306

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agactgagcg cttatcacaa ggtctgtgct tagcggatag acaattgcaa aaaaaatttc   60

taagtctttt tctgtctata tcttcacaca agcttaaaac cccttgttca ttactaaaca  120

aactaaaatt aatcacaatc acaatcaaga tatcctaact acatgcaaga ggtaataatg  180

aaaatagaaa agggaaagaa aagctaggtt gcctcccagt aagcgctctt ttaacgtcac  240

tagcttgacg catcgtcctg ttatccagga accaagagag ttcctacttc aaggaccttc  300

ttctcaggtc tcttttcctc catcacatgc actntanaat aaacattntg gctaggtgga  360

tccttgttct cctgaaacaa atcaaagctg atcttctgat cttctatgcc catccgcagt  420

atcttttttc ccatgtncac cacacagctt gcagtagaca tgaatggn                468
```

125

<210> 307
<211> 472
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 307

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aagctccttc aactgcacaa ggctcttaat atttgaagag tatccttgtg gaaccttcac    60

ccaacgaaga cactgacaaa aacttatctt ctccttcttg gacaaagtat ggcaggctgg   120

gggcaagtaa attttcttcc catcagacct tggatgcaac tgtgatcgta tacccatatc   180

agctagatct atgtgtgtgg ctgtgtgtgt atggctgtgt gtgagtgtat ctgtgtatgt   240

gtgagtgtgt gtgtgtgtgt gtgtggttgt gtgtgtgtgt gtgtgtgtgt gtgtggttgt   300

gagtgtgtgt gttagtatga gtgtgagcgg ctgagtgtga gcatatgtgc atgaagcgag   360

aaccatatct caacctctgt aattctatgt acatgcactc cccttcaact ttaatgcgca   420

tctatcagca acctttcatt nctctccgta gaatgcttcg acaatccgcc cg            472
```

<210> 308
<211> 475
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 308

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cgattggtgc atcagtcccg agaccctatn atcaaactga ggcggcgtct cactgagagg    60

gcacgaccca gactgttctt attagaggtg gataccggac tcaccattac tataatctct   120

accctgtgca tgcctggggg ctccagtaga tgcggctcat cccctgagct tatacgccta   180

tggtatacca gatacggacc ctttatagca agagtgctaa caaagcgtgc gatgcggata   240

tacatgtaga tcgccctgat actgcctaat gggagcacgt tctggcctta tggataggaa   300

agcgtgatgc cagctagtga cctcacgcac tttactagta gactttgtgg catgcatgtt   360

agaccatcta cagtaggaac cccgcacgtg ggacctcctc tggacatact ggacagcagc   420

ggtcgactag attgcacgcc atccactgca gagaaggtat aaattatcat atcag         475
```

<210> 309
<211> 511
<212> DNA
<213> Glycine max

126

<223>   unsure at all n locations
<400>   309

gtgatgatgc atcattatct acgngaacat actcaagctt gctcggcacg aggtacttac   60

ccgttgaaga tcgatgaacg ttgattatcg aatgaagaac gttgaagaac ggttgatacc   120

tttgagagat tcctcaccga caacgttgcg gatacgcatt cgaatcgcgt gcgcttagat   180

tgacttgatg tggacaagta atgcgagcaa attggattga cacataggtg cctaatgggc   240

tcaacgcctt aattcttgtc tttctaacct atatataaca aaacaaggga cgtggttgac   300

gcccagctcg cccaggcgag ctcaactcgc ccaggcgagc agggttgctt cctccagaag   360

caaccgcctt ctggaggaat attccggagg gcccaagtgt gcctgggtgc tatttgcacc   420

cccatcttta ctaagaacac cacgctacgc tgttttcggg gagggtctat aatacagtac   480

cgtaacttac gatcgtctga agaaggggg g   511

<210>   310
<211>   421
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   310

agttgcacat ggattttct canaacattc ttaccaaaga gtttttactc tttggtaatc   60

gattaccaga ttattgtaat cgattaccag tagcaaaatg gatttgaaaa agttttcaaa   120

ttgaatttac aatgttccaa ttaatttcaa aaagctgtaa tcgattacaa tgttttggta   180

atcgattacc agttcctttg aacgttgaca ttcaaattca aatgtgaaga gtcacatcct   240

ttcacataaa agccttgtgt aatcgattac actgatttgg taatcgatta tcaatgatta   300

tttctgaata aatcaaaaga tgtaactctt catattgttt tgatttttca catggattaa   360

gctctctaaa actatactct tcatatgggc gatngaccaa cttaatagtc atacattttc   420

t   421

<210>   311
<211>   234
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations

127

<400> 311

acatcatcta ctattgttca tctgcttcca tgaatgaaga ttcatgatca tcacaggtac   60

cacaccacag gtacaanaat tgcagggtga gtntattata aaagaaataa tcaagcatta   120

gatgacaata attagcaagg aaactataac aataaccata atcatactta ataattcatc   180

agtttgacat acactanaca tctagtcatc aactttcatc atttncaatc aatc   234

<210>   312
<211>   221
<212>   DNA
<213>   Glycine max

<400>   312

aacagttcaa tcacatgccc ataaccacat cctgtgcccc tcactgagct agactcacga   60

ccattctgtt ttaaacggtc catatctcca agttccacat aaggatcaca taccagccag   120

tatacagcag caacaggcaa gaaaacttgt caaaaccaca aataagtttt actaagaaca   180

gtacattctc atcaatcgta ccgtgatcga tcaaattatg a   221

<210>   313
<211>   455
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   313

ctgagcaaat tcaaacgaca ataactntat aatcggatgt cctattgagt cccctaatat   60

atcaaactgc tccaaattga aaatggaagc tcgtagcata tttaaacgag aataactctt   120

tactcaaatg tgcgattgag tcacgtaata tatcgagacg ctctaaattg aaaacggaag   180

ctcatagcaa atgtaaaccg taataacttt taactcggat gtccgaatga gtcctgtgat   240

atattgagac gctcataatt gaaaacagat gctctgcgca tattctaaca acaataacct   300

tttactctgt tgtgcgaatg agtactggaa tattgngaga ccctcgaatt gaacacaaag   360

ctcctaaaaa atcaaacaaa aacttttatt ttatgttcac tgaaccgtat tttcggacgc   420

tcacatggaa caaacttctt tattcaacgc agtcg   455

<210>   314
<211>   446

<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   314

tcaaggaagc ttcttaagga agtttctcaa ggaagctacc tagtctataa atagaagcat   60

gtgtaacact tgtggtaact ttgatgaata agagtcttgt gagacacaac tcaaagttca   120

acttctctcc ccttttttcct ccttcaattt tgtgctcccc cctctctctt tctttttcctc   180

cattgaagaa tcctctccaa gcttcttatc caaggcacat tcttggtggc gaagctcctt   240

cttccatggc tntttcccta gaggatggcg cctcttctcc tttgtcttcc actgcatctc   300

cgtggtggaa aatcaccatt gaaggacctc attgaagctc aaagatccag cctncataga   360

agttcacaag taagcttcat catattctct tangcacaac actgtggcag tatggactac   420

cagcgacaat gcatcaccat naaaat   446

<210>   315
<211>   482
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   315

ctgatggtgt cgagaagaga tcacatgttt gtcatcatca aaaaggggga gaatgtgaat   60

gtatgtatac atgattttga tgatgtcaaa gaagaatcta acaaggctac ttcaaatgat   120

aagcatttgc ttcaagaata attcaagatt gcttcaacaa acaaagcctt gtttcaagat   180

tcactaaaga ccaagccttg ccttataaca aagtgctttc aagacatgca aggctctggt   240

aatcgattac caggaagtgt aatcgattac ccgaagcagg gttgagaaat agctgttgaa   300

aaaggttttg aatttgaatt ttcaacatgt aatcgattac catatgtctg taatcgatta   360

ccagcaacga aactntggaa attcaaattc aaaagtcata acccttcaaa ttataactgt   420

gtagtcgatt acacacacat tgtaatcgat taccagtgga gagtttcaga aaatctgcca   480

cg   482

<210>   316
<211>   441
<212>   DNA
<213>   Glycine max

129

<223>   unsure at all n locations
<400>   316

attaggttgt cagttctgca aagataacaa tgcagacgta gcataattac attatagtaa   60

aaaaattggt ttgcagacac ataccttgat tttaaatttt tgaacataaa cgatcataag   120

ctctagaaaa aatactcacc agtctccaaa aacatggttg gcaatggcac atggtgagtg   180

gccttggcct ccaatgtaat ctaaattagg gaaataaatc aaattctacc aaaagtgctt   240

ttcaaatttc aaaatgtaga cttaaaaaac acaaattaac actatgtcat catcctccaa   300

caaaaacaaa cctgtgtttg cattctatga agtgaactat ttgtttaaat gattatgcat   360

gaagacatta nacacagttg taccattaaa tatgcaaact atgagaatnt canacaactc   420

anataccaag ccaactattt a   441

<210>   317
<211>   262
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   317

cattctagca gntccttatg atataagcta agtcaatgac cagccttang ttttcgtatg   60

aggtgagagc atcagatcca acttcccttg atctacacaa ggatgtgatt aaagctggga   120

agcctanacg agaagagtta gatngagcca tcatggtcat ttgtctagag atcaaaccgc   180

caatgttcat gtccatcctt gtgattaagc catagaccga cctagctcta tcntgtgtca   240

natctgaaat gaaggatgta tg   262

<210>   318
<211>   537
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   318

ggtgactcca tncnnnnatg aaacctctcg tagtacccgt gatcctctag agacgacccc   60

gccgcatgca agctntgcgg atttggtctt cgccagtgaa atgatcgaag tggatctgaa   120

aagaggcaaa tttaatcatc ctgcttagac gaatgagaaa actgnggcaa ataaagaggg   180

```
tgaggatgag ggagaaaccc atgctgtgac tgccattcct atacggccaa gtttcccacc   240

aaacccaaca atgtcattac tcagtcaata acaaaccacc tccttaccca ccacccagtt   300

atccacaaag gccatcccta aatcaaccac aaagcctgtc taccgcactt ccaatgacga   360

agaccacctt tagcaaanac caaanaaaaa caccaaccaa gatatgaatt ttgcagcgaa   420

nagcctgtag gattcacccc aaattccggt gtcatatgct aacttgctcc catatctact   480

tgataacgca atggtagcca taccccctgc tagggttcct caaacacctc atttttg      537
```

<210>   319
<211>   512
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   319

```
nggcgtgcta tgtcctgagn atcnacngat ntgaaaaacc aagctttatt ttgcttgatt   60

ctctgcaatt ctctgcatcc ttgctcctcg aattgaacct tcaacctttg acattatttt   120

ctccttcttc actatgaggg aaggtaactt ctttgtgtga gtgcttttgg ttttggtttt   180

gacgtaagta ggaggaaggt tataggtaaa aaaaaaatta taattatttt ttaatcattc   240

tgtagagaag aagttgttta ttaagagagt gggtgagaga ggttaattaa taatggagaa   300

gttataactc cctcctttat ctaattgatt cacatgatat tttagaacaa acacaatatt   360

tccatttgta ataaacattc ataaaattaa attcttcgat taattagcat gaatggtagc   420

agtatgaaga attattattt ntatcaatga ggcaagagat agttctaatt ttataaaaca   480

agttaaatat gctnttagtc cataataaat tg                                 512
```

<210>   320
<211>   533
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   320

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tggacaagtt gacgcttgta aactggacca tagagncacc ctgcggcatg caagcttatc   60

gctgacttat tatccacaaa aagcttcact ccatcactct ccttgattnt taattcctat   120

aataatgtgt ccaaccagac agcttggcaa gcactcattg cagctgcaac atactcagct   180
```

131

tcacatgatg ataaagccac tatggattgc ttcttagaac tccatgatat tggtgttgca   240

ccatacatga atatgtaacc tgtagtactc tttttgtcat ctctgtctcc tccccgatcc   300

gcatcagtat atcccactaa ttcttctgag ttggtgttgt ctttatttgg aaatagaatt   360

ccagtattga tggttccttt tatgaacctt agaatcctct tagcagctag gagatgagga   420

attctgggtc tttttcgtata tctacttacc agtccaacaa caaattccaa atcaggtctt   480

gaatgataca agtacctgat gagagaacca acaatctggt tgaactcagt ttn   533

<210>   321
<211>   301
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   321

agagacatga aagaccggat gagntttact gtgagatgga agatctaact tataagcaac   60

aacacccacc ttatntaaca cctggaaagg accataaaat cganggggaga gntttttcatt   120

aatccttnta gccaaggatc ttctcttgta gggtgcatct tcaagaacac ccaatcaccg   180

actgtgtatt ctatgtcctg acgaacgttt gtggcattng ctcgcatgat atcttgagac   240

ttcaacanga tttctcttat agtagccaat aattaatcta agcaannttg tagttattga   300

c   301

<210>   322
<211>   450
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   322

attatcatga aaccaccta naccaagaga acagagtaga ggcagaaaac tctgcccaag   60

actcattcaa attccacagt tttccctact caaataccccc agtaacattc tcttagttcc   120

gattcgttaa ccattggatc accttgaaac gtttactgga ggttcctagt acataaatct   180

acattttgac cgttgggatc tactagaaaa tatctagaac acgagatata ctaccttttcc   240

cgtgactggt gctgcacaag catttttct gcacatttgg tcaagtttgc tgcacaattt   300

gacagcttt gctgcacaat ttggcagatt tcanaatcca actttcccac antccaattt   360

actcannatg gatcctanaa ttcctaaatc atgtataaat catanttaaa ccanaaacaa   420

acttcagacc aaggcanatc anaatatacg   450

<210>   323
<211>   362
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   323

ctcagtatgt tccttgggta gataattaat aattaactta gatacaattc acaattgtat   60

ataancatta natatgttat aattaaagaa ataactacct ctcttgccca cactttggct   120

accacatgat taacatatga tgtcaacact aatgtatctt ggggcccacc tggaaaaccc   180

tatgaatcaa cacctacatc ctttgtaatt ggatcatgan ngttctcatg agtctcatca   240

gcagcatcat cgatatgccc attatcctcg acaataggtg cagttgttca ttatctacgt   300

gtcgacactt tcaatcttcg acgctgangg gcttcttctc gtcaccacta acctctctac   360

ct   362

<210>   324
<211>   531
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   324

tgatgaatca tctcganctt gagatcctta gagacaccct gcggcatgca agctntgacc   60

gcatcttaac aatatctttt gttctattnt tgtgttgttn ttaatcaatg tctttaagtg   120

catcttaaca atgtcttttg gatagggatg acaaaataga cactaatttt gtgggtatct   180

ataaaagtat ttgcaaatag gaaggataat tatctgctta ttgggactag agatggggcg   240

gngatactat agtaccatct cacccctccc cgcacatgta tgtcatatat tttatatatt   300

aatgtaatta aaaaataatt ataatttcct aattttatga ctagcaataa caatctaaca   360

aagaataaag aatcctaatt caacattgtt atattaaatt tgcttcacat tctacataag   420

aatatcgaac tactatttac tgtttatgta taaagtaatg actctgctaa caagttatta   480

taagattgac ttgtgaaatg gtattctgtg ttgttcgatg cttcaaacta g   531

133

<210> 325
<211> 470
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 325

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atttcaatgc ggaaagtatt atgttcttca ctatccatgt tcacacatta ttgctgcttg     60

tggttacgtg aacatgaatt acttccaata tgtagatgtt gtttacacaa atgagcacat    120

cctanaagct tattccgcgc aatggtggcc tcttgngaat gaagcgagta ttcctccttc    180

tgatgagcaa tggacactta tccctgatcc aagtacaatt cgtgcgaaag gtcggccaaa    240

atcaacaagg ataatgaatg agatggattg gctggaccat ctgacaccga caanatgtnt    300

agatgtgaag agaagaccac agacgtgatg tcaatgaatc tgatgtggaa gttgtaataa    360

tgattatgta tttgttgtca cttaatgaat gacctatcat gacagctgtt ttaaatagta    420

tatatattat ggcggcctaa ctgacaatgg taatatatac ataatgatat                470
```

<210> 326
<211> 315
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 326

```
ctgcagctag ctgctggcag ctggtggaag ctccttctct atttnnncta taatagggga     60

ggagtgaagg agagaaatgt tcagaccttc tggtatttcg agatcacttg aaattagtga    120

aaaanactgt ctccgtgaag aaaatacaag ccgacgcgct ttcgtaacgt ttcgtgggga    180

tttcgcgaag aatttaccta tntcttcgac gtcttcgttc gttcttcggt cttcaacccg    240

gtaagttctc gaaatcgaaa ctttcaattc attctatgta cccttagtgg tcctcatttg    300

tttcacgtgc tttat                                                      315
```

<210> 327
<211> 352
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 327

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ctctctctnn tcgaattgtt gaggaagatt atttccgtga agaanatcca agccgagggc    60

gcttcgtaac gtttccgtga gtaattacgc gaatattctc gaccgttctt canagattca   120

tcgttcgttc ttcgttttct tcagtcttca acgggtaagt acctcanaca aagctnttca   180

attcactcta tgtaccgtg gnggtccaca ttntggttca tggagtttta ttctcattnt   240

catttactnt tntataccc ttttgacgtg cttaagccat ntatttaagt catttctcgc   300

ttaatctacn aaataaaata aatttccacc gatcggttga atcgcatatc cg          352


<210>      328
<211>      514
<212>      DNA
<213>      Glycine max

<400>      328

ctttgactgc tgcatctgcg acccttagag acgaatcgag gcatgcaagc ttagcaccac    60

tatcgcgctt agcgcgagta aatggatttg acttggcgc caatgttgca ctgagcctag   120

caagagatgg acgactcgct tagcgagctg atctcgcgct tagggcgctg cttcgattca   180

ggtgctcttc cagattcctt tttcacgcta agtgcactga agccgtgctt agtgacggat   240

acgcactaag tccactgagt tcgcttagtg cgacacccag cttccgactt gaagacatca   300

gtaacttatt atcttagctc ggccaaagtc tacctctcct catctcacag aggccccacg   360

catcgtacta gcaccgctgc ctgttattcg tacaagtagc tgacaactat acacaggtac   420

ccttcatcta tcgcatctac ctcaacgcaa gcatcagcta ctgtacgtat cgtctcatct   480

ccgcatcctc tcgcgcactg ccacgagacg tccg                              514


<210>      329
<211>      341
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      329

tctacacctg ttgcaagagt ctgtggtcta tgttcttcta cagatcacca tacagatctc    60

ggtccttctt tgtagcaatc tggagtcaat gagcaacctg aagcttatgc tgcatacatt   120

tataatagac ctcctcagca gcaaaaccaa caacagaaaa ataattatga cctttcaagc   180
```

135

aatagataca atctaggttg gaggaatcat ccaaatctga gatggacaag tccttcacaa   240

caacaacagc ttatcgcttc tttctagaat gctgctggtc caagcaagcc atatgtntct   300

tctncaatac agcaacaaca gtcacaaana agacaacaag c   341

<210>   330
<211>   450
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   330

atgtatccaa aacccctcaa tttaatggat tttcaagttt tgagaagtga aattgggaat   60

gggataaatt tggagcaaac tctcacctca cacaagtcta taacatcaat ttaaacttga   120

tcaaactgga tttacaccta aaatttcact gaatcagaat gtgactactc aacccccaat   180

tttaccctag aaatggctct ttgttcagtt aggtcatttg tttttctctt tagcacagcc   240

cagactttct cataagtcct atatgacatt gcaagctagg attaactgac tgtaacctcc   300

acataccact aaatccagat ttggccttcc aactatanaa cattcactct ttttacactc   360

ataacaccat aatctcacct tctaacccctt ggttaattct acacttcatc tctaacagat   420

ctccataagc aagttcagca cacatacatn   450

<210>   331
<211>   471
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   331

cgtcagagtt tanggattga gcttggttca actgagtgtc catctgcccc atctgattgg   60

tcaaactctg aatggaggct cttgtctctt gctgaaactg catattttgt attgtcattt   120

gccttactaa ctcctctaag gaaggttgag aaggggcctc agttgattgt tgtctctgtt   180

gttgttgctg ttgatgctat tgttgttgtt gcattggagg aggaatgtat ggcctgcttg   240

gaccagcaac attttggaag gaaggagcag gttgttgttg ctgttgttga gggctagacc   300

atatgagatt agggtgattc ctccatccga gattgcattt gttgctagag aggtcataat   360

tgttctgcta tggctgattc tgctgctgag gatgaggagg tctattgtaa atgtttgcag   420

136

catatagctt angctgctca attgctccag attgctgcat agaanggcac g   471

<210>   332
<211>   446
<212>   DNA
<213>   Glycine max

<400>   332

gtttccgttg ttcaatttcg agcgtgtaga tgagttatgt ccccgaatcg gacatctgtg   60

tgaaaagtta tgaccattcg attttctcga gagcttccgt tgttcaattt cgagcgtctc 120

gatatattat gaccccgaat cggacatctg tgtgaaaacg tatgaccatt cgattttctc 180

gagagcttcc gttgatcaat ttcgagcgtc tagatgagtt atgtccccga atcgaacatt 240

cgagtgaaaa cttatgacca ttcgaatttc tcgagagctt ccgttgttca atttcgagcg 300

tctcgatata taatgtcccc gaatcggaca tccgagcgaa atgttatgac cattcgatct 360

tctcgagagc ttccgttgtc aatttcgagc gtctcgatat attatgtccg cgactcggac 420

atccgtgtga aaacttatga ccattg   446

<210>   333
<211>   400
<212>   DNA
<213>   Glycine max

<400>   333

gagtgattca agaacaccct gtctgtatca tatgacattc acaacctttg cgtgttgccc   60

tcgctggaaa gagcgagtct ttccttcctt tcatctatac ccgttgatct ttcaaaccac 120

aagtccagaa gatacacctc tgcccagaat tatatcgtgg ccataactcc cattctacgc 180

actcacatta agtgattctt gagcctatac tgaatttcac aacgagttct ttcacctcag 240

tatggaacac ctcattggag ccttagctca gtatgtcatt ctaattttgt caccacactt 300

actagtttac atccattatc atttatgcaa gaccacttat agacacgaat acactattca 360

ccttctataa tccctttcat agttatcaac atctagcact   400

<210>   334
<211>   457
<212>   DNA
<213>   Glycine max

137

<223>   unsure at all n locations
<400>   334

tatacaatgt tntcatgata aaagcctctg ttgaccatcg gaacaagatt tccaaagggt   60

gcctctggaa atgcagtcct tgcattcatg aacctgaact gtgagatgaa gatcgaagat   120

caaagatcgg atggttcatg tctcgaatac ttaatttaaa ttagattggt ggagataaaa   180

tataattggt ctgatcttca tacaatggtt gcgattagcc aaatgcctga atatgggaaa   240

attccctgac tgccgtgaat cccaatccct ctaattaaat aagctttaga atgcagcact   300

gaactaaaaa atttcttgcg tcatttatat acaatctagt aagtaatgca ccaaagttcc   360

aattttttgca tcanaggaca gagctgatag cacataaact aaatggcata aaaatacaac   420

caaatcttat cactgagttc tatcaatgga ggaggcg   457

<210>   335
<211>   260
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   335

ctatcttaaa gtaagctcta tgaaatttat aaatcgatat ttatatttct aacacgatct   60

tccttacaac tgataaagac aaagagaaca aattcaatta taaaataaag gataaaggaa   120

aaaactcttg acccacacac acaaaagaga cgtattatag taaaaaatat ttaaggcatg   180

aaggataagc aagagtggnt ntaatttata attctgacgt tctccttgta attcccattc   240

ataattttct tctgtacttg   260

<210>   336
<211>   446
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   336

tccttcaaat aacttgcaaa ttatggttct agaattctat aattttctat aggtttcagt   60

ctgctagcta gttattagac tgttggattc tgaatagggt ttatcccaga tttattgtat   120

tttttgtttc taggtaatgt ccagtcatgc ttctttaaaa tctaattatt tgaaaccaca   180

aaatttagag cctgcacttt ttaatgtgtt tatgaaattc ttcgttttta gctattcatt   240

138

```
atccttgcaa tctcttattt cacatggtag tacaattcan attaacttca gattttgggt    300

ttattttgat gtttgctctc gaagcagtct ggaattttcg gtccttgtag acgggttcgg    360

ntaatccttt cttatnggtn tgtctgtact ttgtaggaag cactcaagac tagtgtggac    420

gcttcagtcg ttcccacatt tgagag                                          446
```

<210>   337
<211>   255
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   337

```
gatctgtgct tgcaactgct ntaagtagtt aatcatctca tctaacattg aagctntatc     60

tgtctgcaat tttgccaagt aatccaccac gtacaggaat aatcaatcca catatataga    120

acnntgattg tgcattngat tntggatnga atatgnttnt aactatgtaa ttnttgataa    180

aaatgaaatg atattagtct ccgattctaa ctttaatcaa tttaatcctt annatttaaa    240

agactgttnt cgtca                                                      255
```

<210>   338
<211>   441
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   338

```
ganaactacc aaaactaccc atcatatctc ccaaaacccc atacccacga aatttaagag     60

agaaagaagt ccacccaaac ctgaaatttc gaagtcccac tcgtagccac gcacttcacg    120

actccaaaaa tgccctcctt tcgcgatttg gagcagaaat gagcaccaaa ggttgaagct    180

ttgtttggag cttcaatgga gaatgaggga gaaagaaagg caacgtgagg aagagagaga    240

gctgtctgaa aaaagtgtgg gggctgagtg aagagagaga anagctttnt ggttataaaa    300

taaaagggtt ttctcttttt ctattattnt attcanactc tgccacgtgt ccctaattga    360

gtggagcana agggcccact ttctctttta ctgtgaccca cactcagcca canaagtgag    420

aanaatctga cctttganac t                                               441
```

<210> 339
<211> 535
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 339

```
agagccgata ggttgggngc ttgnacnant cgacantata tagtactcat tgctgccaag   60

aaggtggtgg atctcgaggc ccgactgaat gaattatagt ccatgctcaa ggagtctgag  120

ctacgggctg ctagagagag ggaggccagc aaggagcttg aggaggagtt tttcattttc  180

aagaaggagg ccgtggagca gcatgaaaaa gggccttaac aagccgttgg gcaggctggg  240

ttcttcacca aggaccttga cttgggtctc tttgaccctt ttaaggacgt gaagaatggt  300

gttttgcttg acaaagacga tattgctgct aaagaggagt aaggcgatga tgccattggt  360

tagggtgcct ttcgtttatt ttcttctttt ctccattgtt tgaatttagc cgcatgggcc  420

ttgtaattat gacaaattat cttcataagc tttccttcga tgacaaattn tgcactatnt  480

atgtatgtct tgtgtgttgg ccttatctat gcaatgctcc atgcttgtgg tagtn        535
```

<210> 340
<211> 406
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 340

```
tacacctata ctcgccactc ctttcacagn caantaacac aaacaanagc cttcctctac   60

tacctgtgtt ngtgcagacc ttacaatcac tgccacanat ccattttcat gagcaacgga  120

tcgagcccac cgcanaacat nctctcggct gtcaatacct acaaccaatc agataatatc  180

agttctacaa catattattt atttataaat actccaacat aacgtattac taaaagattg  240

acgcatcaac aacaatggat tatcacccaa ttttctattt ataatcaatc acttttaaca  300

taacttatca tcatgactcg catatacata ataaaattaa ccataaacac ccatcaacta  360

tctacatcaa cttctatact ctctgtaaca gttataaaca ataata                 406
```

<210> 341
<211> 466
<212> DNA
<213> Glycine max

140

<223>   unsure at all n locations
<400>   341

ttctacagaa tccgtanagt ttcgtgaggt ttcggaagga aaacaaccaa acaacacaaa   60

aattggggggg ggggtgaac ttatcaagct aggagtgtaa atagcaattt tcaaatcttg   120

gcagaggatt ctggaccttt tctttcttcc tggctaagca acttgggcga gcagggtggc   180

aagcacctcc ctcattttgt tgaaaaatgg cttccggcgc ttccgtagaa ttcccgtaac   240

cataaataag tatatttcac ttaatatggg tgagaaggaa gaaaaaaaaa gaagaaaatc   300

aagtccgata tgcttccgta acttttttcgt aaattacgaa gaagggggt gaacttatca   360

agtgcgaggt gtaaatagaa atttttgaac tttcgaatct cggcccttcc agaacattat   420

ggaagctcgg gttgcttagg agggagcagc ctacctcgct tgggcc   466

<210>   342
<211>   444
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   342

cataacattt ctaagtgata aagttttctt cttgacttct ctttgggttc tgctcatggt   60

ttcttttaca agtctagttc taggctgata tgcagtggag ttggaaatct ttattccagt   120

aatgaccttg ggtatttttt ctgttttctt tcttactttg nttgtgagga tatcttattc   180

tcctctatac tggacacact tcctttctct cttcattaaa ctttcttctt tatagagatc   240

tgaacttgtg gaatttgtgt ccaggtttttg caacagttgc agtctatgac tctgatgacc   300

aatctcataa ttttctttgt gtttctcttt tggtatttct caattacaca tcgcgttgtt   360

atactctgtt gatttaatc ccttctatac tagttgntca ttgtgcttaa tatagcttct   420

tctattttaa tctcatgcag cttg   444

<210>   343
<211>   488
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   343

```
atctccttct tcactacatc aagaatcacc gngttgagtc ttctctgtgg ctgtcttact      60

gggttagctc catcttctan atntattcga tgcatacatg tggatgggct aataccagga     120

atgtccgcca gggtccagcc tatagccttc ttatgcttct tgagaactga caacaacttc     180

tcctcttgct catcagcaag ggaggcagat ataatcactg gagaactctt gctatcatcc     240

aagtaagcgt attntaaatn tgatggcaga ggcttcaatt ctggtgtggt cggctggaca     300

gtggtagaag gagatggttt ctcagccttt acctcataaa gaaagtcaga ggtatgtgta     360

cttcctgaaa catggttagt cctatctgac tctatnaaat caatctcaag aggtanaaca     420

ccaccaccag gcatgcantc aatatcactc tcagaatcac tctcagcatc anattcagac     480

atatgatc                                                             488
```

```
<210>        344
<211>        532
<212>        DNA
<213>        Glycine max

<223>        unsure at all n locations
<400>        344
```

```
ntttaatccc tcagtgcccg agctccttaa gaaaccccac gcatgcaagc ttcacggtga      60

atctacagtg attcanagat gttntgatga taacaatgat gataacaaaa gatgatgaca     120

aaggtgatga caaaaagctc aaaggtcaat taaaggatga gttcaagatg ttcaagaagg     180

aatcaagaac aattcaagac tcaagacgaa aaggttgaag gacacttcaa gattcaagag     240

gaaagttgaa ttcaaaaatc aagattcaag gatcaagatt taagaatcaa gatcaagatt     300

caagattcaa ggttcaagaa ctcaagagaa gacttaatca agataagtat ganaaggttt     360

tttcaaaaac tgagtagcac atggattntt cacanaacat gtttagcana gagtttntac     420

tctctggtaa tcgattacca gattgctgta atcgattact agtagcaaaa tgttnttgaa     480

gttntcanat tgaatntaca acgttccatt taatttcana aagctgtaat cg             532
```

```
<210>        345
<211>        290
<212>        DNA
<213>        Glycine max

<400>        345
```

```
catttgcgtg cttatttctg tatggtatga gatgaaatgc aaaggttacg acttgtgtta      60
```

```
gtcggttata atggaatgag cctaaacact tgagcttgag tgaaacgacg actgtgaggc    120

tgtggttgag gatccttcct tgatatctgt cattctcact agcttatttc aattatgact    180

ctaatgcata tctttctatc tttgaaaagt tgcatgtatg tgagaagcaa ttgattgaag    240

cattccatga tattcatttc atatgattga atttttctgt aaacaaacac              290


<210>        346
<211>        377
<212>        DNA
<213>        Glycine max

<223>        unsure at all n locations
<400>        346

tatcacatat atatatatgt tatgcgtaca acatatatca ttacgcaatg acatttgagt     60

ataataaaaa atagttctgc agggcctaac atttcagtgc ttatattaat ttaggtacca    120

cttaacattt attattgagt caactctcta acgnatattc ataatttctc tttgtaatat    180

taatttaatt ggntaaagaa acatatttct tatggataat aatggctttc agnttcttag    240

tgaaccacat ctgannaata tacttgacaa gaaatgtgtt actatgtcat agntaatctt    300

tttttctttt aaatacatca tctcttatgg acgattttag actcggagga cttattatat    360

ggacatacac ttatata                                                   377


<210>        347
<211>        396
<212>        DNA
<213>        Glycine max

<223>        unsure at all n locations
<400>        347

cacacatgta gtgaacatct atgataacct gcttcgtgta agcattgtgt tagctataat     60

ntatgaagaa ccacttctag ttctataatt gtacaacata ttagcatatg ccanactatg    120

tgtatcattt ggatcaccag aataagaata ttacctcaat aaaatctcct tttggcatta    180

gtgctctgca tgcatctcta ntcctttggt atggtgatat taaactagtg atgcaaataa    240

caccagcatc tgcaaagaag ttagccacct cacctgaana tntaaatcgt gatgtctaan    300

tattaataaa acaataaaat ataatcggaa gatatcaggg anagcattta gaaagcaaca    360

taagaaaaaa cagaataact caccaatcct tctaat                              396
```

<210> 348
<211> 225
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 348

```
tagttacctt cttatgccta gccctatana tactcanaaa ctcttaattn taggagaatt    60

ttgtagaatt gaaattaagn tgtgcttaga gagagcatta gcctcttctt tggtnttgac   120

tagaaaccaa atggattctt ctcaaagaag ctattccttt atggcaaatc ctcctactcg   180

gtatcgattc ttcatggatt gtggcatcgn tctgtcatct tctca                   225
```

<210> 349
<211> 203
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 349

```
acgttatcta tagaacattt ccattggatg taatggatga aattgtgcat ctttaggtga    60

gaaagaggct atgttttgaa ttgcanaatg tagcagttgg gctaaacgca tatccaccgg   120

taagcgcaat ttcagcgtgc ttagtgcana ggagaatctg ggagagcatc aacatcaaag   180

ccgcgcgcta agagtgggat tag                                           203
```

<210> 350
<211> 455
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 350

```
gacctaaatg aagactaaac atgcattgtt tatgtaattg tattcattat gcgatataat    60

ttgttgtaag ccattaataa ccaattaata ttattaagta ctcgttttgt taagcaaaaa   120

aattgttggt ccaacaaaaa tcatttacgc gtgtaggata catcattgtc ataattgaca   180

acacataatg acatgcatgc gtattaaagt ttgagcgcga caccacattg actaacttga   240

ctacacattc tgaaggaaac ataaacacga aacatgttca tgcgtgtcta atttttttgta   300
```

144

aacaaagaga agcaatctgt ctgtgacaac catgtatata tatagcagac acaactaata 360

aatcacacat tatcttgctn tcacatagtc tcccaatgga tacacanagt atgaaatttg 420

tagagaaact agcagtcaga tgattgcaac tcacg 455

<210>   351
<211>   483
<212>   DNA
<213>   Glycine max

<400>   351

atgttagtct gctcacatca aagagatata ttgtcttctc tctcagatat atttgatcct   60

aatcttatcg ttttcttata tgcgaactca tcagctgtaa cattcttatc ttatctacac 120

acttgaggtt atatttatag taattaatac aacttatatc ttatctttga ttaacctgtg 180

cagattgtta agctttcgag aattaaaaaa agaattagac tcttgaggat cctgaattaa 240

acgtgaacaa gtatatatag gagcaagttt atccattgta atcattagat tagaaataaa 300

aactacttgt ttgtgataga aataaatatt tatagttaac ccacaatgaa tttcggaata 360

ttattattga taattttata gtgcaaaggt atttacatta tatacactta ggctcataat 420

tgtttgccca gaataaagca acaaactatt ccaactataa agggaaataa gtcagaaata 480

aat   483

<210>   352
<211>   448
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   352

tagcattaaa tgcacatcct tcttgatgca acaaaattac tctgattggc ttttgtgtag   60

aatacttcag tataaaacca cttttccttg gtcaaagcat gtttttcaca tctgaatgcg 120

tcttttgatg ttgttttaac aatttttttaa ctttagtttc atttattatt cataggattc 180

gacaaatcat atgagaatgt ctctccaaca tgaatctcag acacagaaaa ataaatatag 240

agcgaaatat catttttttaa tgttgtatca ggtcatgact tggtcctatc ttcatctaat 300

acttttgacg catgatgtat acaacatgat ctgatatcgc ataagataca actattcacc 360

ctcgtattta tgtgcatcga ataagaacaa ttatgagtat tgatttatct tatgacataa 420

145

atgtcnttat cttaacatag atgaaatg   448

<210>   353
<211>   277
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   353

cctggagata tgtncgcggg gtcaggagaa ccttgggacg tcaagtggng tgctatngcc   60

canaaccaag cttgaccaat cccgacccaa cccgcgcata gtcggtcagt gagaacctgt   120

gatgtaccta agcaggcgag ctcctggcag tcaacagata anaggaaaac aagaccacan   180

agcaaggagg cttgtggtgg ctggccagct gtgaattttg tgtaatatgt ggattgtggc   240

ctctggtaat cgattaccaa gggtgagtaa tcgatta   277

<210>   354
<211>   302
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   354

cggtgatact ggtttctaga agtggctcca gccattccca tgntttcaca tttaaagaaa   60

agggagaaac aaccaacctt atgtactcct tgctaatgtt gggttnttta acaatgtcac   120

acaacctcaa gaatctcctc anatgcatca caagaagctc tgnntgaact ggtactntta   180

atcatctgga ggaacccatg tgtgaactca naagtaactc ctcgaggaag tggtggtagt   240

tcaatgggtg tggtttctcc caccagatgg gtgacataat acagcaatgt cagtgtagca   300

tc   302

<210>   355
<211>   436
<212>   DNA
<213>   Glycine max

<400>   355

agatgaacaa ccaaatgaaa catgacagtg aagaataaag gaggaaatat catttccatg   60

tggtataaag tgagaacaac ttgattttgt aattagccta aggtcttaac ttccaataat   120

taagccacct atattctatt ctgaatgact actactcacc aattatctgt acgcccccc   180

ctcccatccg ttcacggata gcacacttgc gtgattcgtt gttatatttt actcagcggt   240

cctccgcgca cccctcacgt atgcatatct gatacccctc ggatcgtctt atacaccctc   300

cgtccttgcc tctccgtctg actctttcta ccgactatgt atcgtgatga ctcgtattcc   360

gcgccgttct cgctcacgag ccactctgct atctttgagt ctcttatctt acttagctct   420

acgtctttat agctct   436

<210>   356
<211>   350
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   356

cttctagttt cactgatact tgtttactat tactggacaa catatctagt tctatgtctn   60

tcannattgn ttattaaaaa gctttcattt gtganaaagt tattatcttt gattaatgca   120

ctattcaacc cttcattcta gtgtgatnnt tggtatttca tcatctattt aaaatcgag   180

acatttgatc attctaattt aaaaattctg caatcttggt ctccctattt cataatacaa   240

acatntggtc tccatatnta agagaatctg caattctggt ccctatattn tagaaaatcc   300

tcaatcttgg cttaatcttt aattgtgtct acattcttat ttcttacttt   350

<210>   357
<211>   505
<212>   DNA
<213>   Glycine max

<400>   357

cttgaacccc atctagtacc cgggatcctc taagccacct gaggcatgca agcttgaaca   60

ttctctcatt tgattaagat attattactc tacattttaa gactgagact tatgagaaaa   120

aacacaaaag ctggtgggct agactattag cctaggacaa gataaggctt gaaggggcc   180

aagttttatt tgctcaatcg aaaatgcgaa ctaacaccaa tccaatccgg ttatacttat   240

tatgtcaatg aaatcactat aaatcatct aaagtcaatg agatatcgta tgaattgttg   300

ctattaacta acacatacac caaagactag aacaacgaat tgatttagca tcgaatatga   360

147

agagtgagga gcaccaacaa cattggcagt gtggcataat tttctgcaga cgcagcatcc   420

accattcgtg tctttcgttt gatggtacat tgctgatgac gcccccagag aaaagaaagg   480

attggattga atgaccatca ttgct   505

<210>   358
<211>   460
<212>   DNA
<213>   Glycine max

<400>   358

caacacctat tacaactctt aatgcatgct ttcttgttgc atttaagcta tcacccccaa   60

caaatttgct taaaccatat gaattcaaac tcgtggtgag ttaaccctct tttggaccat   120

caacgttgac ctcaaccata tgtctctttg ttcttacatt agtgagtggg aattgatttg   180

ctgaattttc attaatgaca ccaatgatgc atctgagttg ggttattgat tgtgatcaaa   240

ctctggtgaa tactgattga tgtaagcttt tgagttaatt aaggtctaag gtcaatcttc   300

taatgatttt gagctctcca acaataccaa acaaccgtga aaagtgggtg ggtacctata   360

aaagatagag gcaaccctat gaggggggag gtgggtgatc ccttttcttt attttctggc   420

gtttccttgc gcttctgttt ctcttactct cgtgttctcg   460

<210>   359
<211>   254
<212>   DNA
<213>   Glycine max

<400>   359

tagcataata tacaaaccta ggaaacacag attcagtatg ggatacatat atgatatgac   60

atgacaagaa acagacaata tggcacattt tagaagttat acagatatga tatgtatctt   120

aattctaaca tggctacatg acatgaccac tggtttcaag tgtatgtact tcttatttaa   180

gaattatgag agggaaggtg tttatcacag atatgtggca ctatcagata tacaaaagta   240

atgagctatc aatc   254

<210>   360
<211>   114
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   360

gccttgtctc tctctactct ctatagtgtg gtcatagatn tatcatntaa cgcataatat   60

atagagaaat ctaactctgg gttctgatat ctgaatcgaa tgctgacatt actc   114

<210>   361
<211>   456
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   361

caagttgttn tgataatgac aaagatgatg acaaaaagcc caaagaatga tttcaagaat   60

gagtcaacaa gttcaagatc aagtttaatt tcaagtttca tgagaagaaa tcaagaagat   120

tcaagaatca agagaagatt gatttcaaga atcaagagaa gattgatttc aagattcaag   180

agaagatgaa ttcaagattc aagagaagaa atcaagaaga cttcacaagg gaagtattga   240

aaagattttt ccaaaaacaa catagcacag ttttgttttt caaaagagtt tttctcanaa   300

natttctaag ttaccagagt ttttactctc tagtaatcga ttaccagttt cctgtaatcg   360

attaccagtg gcaaagtttg gatttcaaag tntttaactg gaattgcaac gttccaattg   420

attncaaaat ggtgtatatc aacacaagat attggn   456

<210>   362
<211>   442
<212>   DNA
<213>   Glycine max

<400>   362

taattgttta attcttactt cttaaatgta cgttatatac ttgttatagg aaccttataa   60

ttctaagtat atatagttgt agtatggtgc tctgccttaa ttgcataggt agtatggttg   120

tttgtgattt cttgttcata gtgatgctaa tactctatag ctggatgact catatcaagt   180

tatatttcat aaggaatact cttttgatcg taccttctaa ttctagtgca acctatcttt   240

ttttgtgttg cgtgcttaag tcaaataaat ctgattcact tgaaagcctg agtataatta   300

attctgtgtg ctatgagact acatcacaca atgggactac ttgatgcttc tatcacaatc   360

aagtgattgc tcatgtctta tacgatccac cttgcggtca tgtcttgttc tcgacttcac   420

gcaatctgct gttatctcaa cg   442

<210>   363
<211>   358
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   363

gtatgtgtat gcagaagatg ataggatgaa gctaacttac aataattcca tgtgctcctc   60

tatagtaact gcttgntata gtcctgaatc gctcctgtcc agctgtatcc cactaaacaa   120

aacacaacan atgaatccaa gcttggcatg catgtggcaa taatcatgaa tatgatcaag   180

tgaaatgatg atntcgctnt gattctcatt acccaacacc gacagaggtg aatgcagaaa   240

ttatggtaaa ttacaccana caaactanaa acacaataat atagaatcgg ggcattatan   300

atgaagtagt cgggtaaaga cattgattcg tgtcagtgaa gtgtgatact cacaatct   358

<210>   364
<211>   529
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   364

tgcttgaatc atcgaancct ggatcctctg agtcacctgc ggcacgcaag cttcctccta   60

ttgttgatag agtgtgacat ctatgatcct catagtctcg tgctgtgctc agtgtacggt   120

tagattttgc gcttaagaaa caactgcagc atttgcagct gatatttcta tcttctctct   180

gcatttttct tacttgaagg acattaacaa aagccagttt tttttttgtat ttttcacaca   240

tttttgtttt ggtatttgac atttttgtcg cattaattaa ttatattata ttaacataca   300

attagagcat gagagatgga atctattaac agtttcaaaa ttttagtttg agcctgacag   360

caccaaaaag acagaaattg caaaatgaaa acagtgctaa tattttcttt tcttttttgc   420

acgagacata tagttgaatt ggcagtatat ttgcagagaa tatctaaata cagctaaact   480

atctcataat cttatctata atctcggata tagacagtat agataggct   529

<210>   365
<211>   376
<212>   DNA

accgtgacca tgtaccttca ccgctaccgt gtacttgatg gtgaccgcac ctctatgagg   60

gggtgaacca ctcggaagag gactgtggaa tacgccacgc tcggtgttgc tactgctntt   120

gtccctccac cctatcatca ccacaatggg tactttggtg ctgccatgcc catggngact   180

tacgttaggg aagcgccacc aaatacagnc tncttccatc accaccacca ccaccaccac   240

caccatgctc gtggaatctc caatgctcat gaaccaaatg ctcgctccat ataanantat   300

ataattatga ctaggattca gaacaagact nngatgatga tatgctaact ctcagtaatt   360

ggtgctagag tactac   376

taactgtctt tgggcttggc ggccatgctc aacaaagtac tttcgacacc tactgtacgt   60

tgatttcacc aatgctgata tgggaatgct gctataatct ctatcaaatc ttatcgatcc   120

atgtagatag atattattcc tggtcaacca acgctaaaaa ttactgtcta attaatcctt   180

gctccttcta ctattgctag tttcaccata cttttccgta aacttaatcg atgtatatgt   240

ttcgcgctgt catagctgan tcacagccta agtcacgtat agacaatcta agatgcatgg   300

atgatagccc tccacaagat aacgatgact atgcttatgt ttacctactt atcttgaatc   360

taatcgaatg gtgaatgact actatacatt ctatagttac ctcaaattaa cggcaagctc   420

gtctgcagac taacc   435

ttgagaatca atttgttggc tcagtgtgtg attttcgtac aagccattct tttgttcttt   60

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atgttaaagc ttgcattctc aacgttntga aaggaagatt ctgtttttat ttcttttct    120

tttcccttac gatcttatgc ttctcttgac tctgcatgct nttaactntn ntctttttac    180

tatatactga tgactgtact ttcaatagta ttattaaagg gtaatttctt ccaattaccc    240

ttattaatgg ttaccttcca tctcaggatc aggaanttaa ttaataacat gtttcattcc    300

cacttaatta gcanagntnt ctgaattaac anaaggtana agggactatg tttcttttg     360

tctctcttta cacataagag agtatcctgg tcaatactca actcacgtaa taaagttctt    420

attgaataac ctatgacacc ctataatagc tttatttaga tatctaca               468


<210>        368
<211>        351
<212>        DNA
<213>        Glycine max

<223>        unsure at all n locations
<400>        368

tgtccctctc aagagattnt ngattgattt ctagttggta agcacccatc ctcttctcct     60

atggtccctt gagtttattt tcttctccca ccaagtagac atganatggn gtttcacttc    120

anattatgat tggtaggtga aaatataatt ganatgagcc tgagtcacac caattcatta    180

naatgaaagg gaattgctat ttgcactcct cctttataat aatacaatcc ctatttattt    240

atatttttcc aaaatatccc taanaataca ttcccaatgt tcactccttg caatnntctt    300

tcgtcanatc cctactgtga gtgcgagcaa agagcaacaa tacaccatca a             351


<210>        369
<211>        334
<212>        DNA
<213>        Glycine max

<223>        unsure at all n locations
<400>        369

tagaattcaa ggccctgtaa tccacacaca tgcgtcaagt tccatccttc tttntcacga     60

gtaacactgc ggaggagaat gggcttcgac tgtgttgcat tacactggaa tngagtaatt    120

ccataactgt cgttcaattt ccgacttctg gaagtatgga tatttgtang gtctaacata    180

tngttngcct tcaaaacaaa ttatctgctg attaaccaga aatgagaaac gagcaactca    240

ttatatatag ggaaataacg ttctgaagat gattcaatta tgaaaaaagg acagattaac    300
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152

cgcatactat tttacctctc tcttcttctt tgtg   334

<210>   370
<211>   215
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   370

ataatcatgc atatgagcat ntcatcttca aaagccaaag actaatgagc tgttatcatc   60

attagaagtt aatattgcat gatcataaca agagagatag tgaaatacca gctttaccat   120

atgctgcatc agcaggttgg actttggagc caacagcagc agcaccaatg agcacagtta   180

tagctaaacg gcgagagatt gngctgacat caata   215

<210>   371
<211>   416
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   371

atgacgttat gttttgatcc atttnttta attcatatta agggtgtaaa ataaagtana   60

aagtgtatga aatttttatc tttnttgttt anaatttctt ttaagttaan actggttcga   120

caattttttt ttataaagtt tagaattatt taaaactaac tgcatcactc aacannaaat   180

atattgataa aataaacaac actaagntaa atttttttnga aaaattatgt aaaattaact   240

agtaatttag ttgtgcaatg cacaagattg taattaanag gtgaaaaatt gaacaggngt   300

tctaaacaat cgagcactat nttcttaatt ntatcatccn gatacaccac atctaaataa   360

aaggctaaaa atatactata tatatcttag atntctttca tctccatgac atgact   416

<210>   372
<211>   441
<212>   DNA
<213>   Glycine max

<400>   372

tggagaatag aaagtcgcca caaacattag tatggaaaga taaacatgtt atttagggtt   60

tttgtgcaaa tacaaggaaa aatgctatta ccatcttgct cctcttagcc tcttcatcac   120

153

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tgtcattacc atcatcacca acagctttcc tggaaaagtt catagcattc ttaaatgtta    180

agtacatcaa taacaatatg catatcagaa aagtgaaaca acaaaacaaa ataaagatat    240

tggacttcaa accttctttt tgcaatggcc cgatcatcat gaccagcctc agcatggcca    300

tggccatggc tgtagtcagg aaccctgcta acaacgtccc tcagaaagca aagacattat    360

agcttgacac aatgttttct gtcatttcat tcccacttgt acgcttatag ttcgcagatt    420

atagagcttg aaacagatac t                                              441


<210>       373
<211>       333
<212>       DNA
<213>       Glycine max

<400>       373

tattctatat ttgtgatggt tgctttgcag tgtgtggtgc tgaatacatg atagtcgtgt     60

tattgattac ataattatt agtctggggt taattttctt tatgtgcgct attcacatga    120

gatgttcgct atgaatgacc acatgttgtg gaacaatgtt aacaatgtta gttatattgt    180

tccgctcgag cataagaggg gtgcaactag acctcaaaac tactgggaga ggaaccttat    240

gagaatctca atcccactat attgaggaaa caacaacaag caagtatcaa catagaagat    300

gtgggagaat taaccacaat gagagaaagt gtg                                 333


<210>       374
<211>       592
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<400>       374

tacacgtcca ctaccataca cgatgcgtca atctcanatc tgtctaacgt attaacctac     60

annncnnacc caagacaggt tgattgatgc antctcgtac ccgngatcct atacagtnga    120

cctgcatgca cgcaagctta tgcatagcat agagaggcac ttggtgtact tgcaactcgc    180

cctagagctc gcccaggcaa gctgttgctt cactctgaag taacttggct cacataggtg    240

agctggttac tttagcccta agccatttgg gggtgcaggt gagttagagg ctagcctgtg    300

cgagccaggg cctagaaaat tggcttaaat gacccttttg ccccctcccc ttgagtagct    360
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154

tccgcatctt tgaccaaaac atcgaatgat ctttcgtctt gcgcggtaac tggtgttgaa   420

caactcaatt cagctatcga gaatcacata tccatgaatg atagtccctg cacgaactta   480

ggcctgacag tgcccctttt acttatttct atcggaataa aacgaagtca tattaggcac   540

tattctattg agtgcgctgc tatcactggt caccggcaat ccatggatat cn   592

<210>   375
<211>   347
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   375

gctgctcgcg ttatgcgaga cggagaccaa catgctagct attatcgcca agtacctta   60

agagataggt ctagccgcgg cccacgagca taggattgcg ggcgaatatg ctcaagtata   120

cgcggaataa gaggctagag gaagggtgat cgactctcta caccaagagg caaccatgtg   180

gatggatcag gttgctctta ccttgaacgg gagtcaagaa cttccncgat tgttagccaa   240

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ttgtcngcat atgatacact taatggccca catannatag aaatcgt   347

<210>   376
<211>   461
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   376

tcccatagga agggcttaat tntcttgagc agtttgtaaa acaactttac cttttcgacg   60

aacttcaaga ggaacctgga cagggatgct agcctaccat ttagtatttg gacttcttgg   120

tcattggtct ggctgcacat ctccaatatg gcattgcatt cattggggtt ggcttcaatc   180

cctcggtgag tgatcatgaa gccgaggaac ttgcctccgc ctgccccgaa agtacatttt   240

tgaaggttga ggcgcatgtc atactcgcgg agctcctcat agacttcttc taggtctgac   300

acatgttggg ctatgctttg agacttgaca accatgtcgt ncacatatac cttgacgttc   360

catttgatct gctatatana gacttggtcc atcagtcgtg ggtatgtagc gccttgcatt   420

ttaaagccga agggcatgac cctatagcaa anactggcat t   461

155

<210> 377
<211> 295
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 377

cttgcgtcct atccttcaac cacttatgat agccaccaac gacanctgtt gctgctcccc   60

taagctcctt atctcttctt tccactgcat tccacgcctt gcggattctc tgaagtattt 120

ttgcgttgcc ttcattgaaa ccncatgcaa cgaaaggcgc gatgatctct tccaacggtg 180

cccctctcat agggtaacct agttgtctta tggctagtat gggattataa ttaatacaac 240

cccttggtcc catcaagggg tcattcggga atccttcaca tgagcacaac acttc   295

<210> 378
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 378

atcaatatca tttgtattct tgcatatcct tgtatcagat ttatttactc agtagtataa   60

ataccaagtc agttagaata tgttcatacg gaaattgaat ccagataatc atattatcaa 120

gtccagtcag aagatgaaaa taatgtattc tccaatggtt ctatcatgat agataatttt 180

aatgtgatgt ttgagtcgtc actatcacct agntgaagga ttggtccgat acatgtacat 240

acgttcgtca tcatagagag tatatcgcga cgtcatacgc ttataatact acatgacggc 300

atgatccggt tgactaatgg tctgataact ctccttatct atttattatc agtcatcgta 360

ctagtcggtt tacagtgttt tataatctga gtgtactgca agtaactcta tccataggat 420

gaggcatgta acgc   434

<210> 379
<211> 461
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 379

ccttgaacgc acataccggt gccaccggag accccacgt ggtccctcgt gtcttgcacg   60

156

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ttcaaaccct aatttcaagg ctctacccta cgtntttcac tgtccgaggc tgtcttttga   120

attttcgcag attacttggg attcgcgttt cgccagacgg cttaatattg gaaaagccac   180

gaccgttcga cttttcactc agtagcgctt ccttaatggt tattgggcgc taatgcggca   240

tattcgttta cgcatgagaa cgggtattca aaccactatt ggtgcactat tggtacgtac   300

tagattgaag cctgagaggt gaaaaagctc acgggctccg cacaactcgt gtgctcaaat   360

ctctagtggc ttcttgcgat acatcactgt tgacttatgc tacactagct acgtctatga   420

gcccttagtc atttccttct tctcgtgctg tgatatgatc g                       461


<210>        380
<211>        244
<212>        DNA
<213>        Glycine max

<223>        unsure at all n locations
<400>        380

aatgcgcgca taaacccacc atcccctgtt gccacctcca actgagctca cgtactccca    60

cgtagcccat atnnctcgtt ctctcaacaa cgggtcccca tcaatccttc caagcgttca   120

caacatccaa gcaaaacaac attcatacag cataagctat cacagcccag caaaacagag   180

caaaggcaga agactctgct caacacatca accagaatca cagcttttct cacttaaaga   240

ccac                                                                 244


<210>        381
<211>        431
<212>        DNA
<213>        Glycine max

<223>        unsure at all n locations
<400>        381

tatcgagacg ctcganatca tcaacggaag ctctcgatan attcgaatgg tcataacatt    60

tcactcggat gtccgattcn ngacataat atatcgagac actcgaaagt gaacaacgga    120

agctctcatg atattcgaat gctcataaca tttcacacgg atgtccgatt cggggacata   180

actcatctag acgctcgaaa ttgaacaacg gaagctctcg agagattcga atggtcataa   240

gaattcacac gaatgttcga ttcggngaca taatatatcg atacgctcga nnatgaacaa   300

ccgaagctct ctagaaattc gaatggtcat aacatttcac tcggatcggt cgattcgnga   360
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cataatatat cgagacgctc ganattgaac aacggaagct ctcgacanat tcgaatggca   420

taactttcac a   431

<210>   382
<211>   452
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   382

acaattgatt ttgaatttca acgttcaaat acactggtaa tcaattacac cattttgaaa   60

tcaattggaa cgttgcaaat ttagttgaaa acttttgaaa tcaaactttg cccctggtaa   120

tcgattacag gaaactagta atcgaatacc agagagtaaa aactctggta acttataatt   180

ttttgagaaa aactcttttg aaaaacaaaa ttgtgctatg tttgtttttt gaaaaatctc   240

ttcaatactt cccttgtgaa gtcttcttga tttcttctct cgaatcttga attcatcttc   300

tcttgaatct tgaaatcaaa cttctcttga ttcttgaaac tttttgattt cttctcatga   360

aacttgaaat taaacttgat cttgaacttg gtgactcaat cttgaaatca ttctttgggc   420

tttntttcat catttntggt atcatcacaa ct   452

<210>   383
<211>   270
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   383

ggagatgcag cggaagacan aggagaagag gtgagaggag gcgcatccac aagggaataa   60

gccatggaag aaggaacttc ggcaccaaga atgtgccttg ataagaagc ttggagagga   120

tgcttcaatg gagganaaga aagagagaga gaaagagaga gggggagca tganaatgaa   180

ggaagaaaag agggagagaa gttgaacttt gaagtgtgtc tcacaagact ctcattcatc   240

anagttacca caagtggtac acatacttct   270

<210>   384
<211>   173
<212>   DNA
<213>   Glycine max

158

<400>   384

tatattgaga cacacaattt cgtgctcctt ctcttcctct ccctccactc atgttctcct   60

tactttaagc tcttatccat gagcttctat ggtggtgagc ttcttcttga ctcatcttct   120

gctagaaggg catctccatc atctttcttc tttttattca ctgccttaaa cta   173

<210>   385
<211>   375
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   385

agatttgttc tgtgaagatc cacagagacc anagctngaa gaggaagccg tcctgagagc   60

tngagaatga tttgtgagtg aatgtgaggt cctagaggtg gaggagacat ccncactact   120

tngtattttg aaatctttca tctttctttt ctctttgttg tanaggaagc ttcccagtta   180

tggaaagcta aatcctctgt tggatcttcc ttgtaggtac ttgatgtaaa tacctgtata   240

tntatntaat gatngtntgt gtgttcactg tgctatcaga acttcattct accatgctnt   300

ngccttgatc acgtagatgc catgtgtttt aggatcattc aacagtggaa agtggtctga   360

ttcttagaac ttcat   375

<210>   386
<211>   453
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   386

ttagctgttg atctgctttt tgaaaacgta atctttgaga ccgattgttt acaacaggtc   60

aaacaatcga tacttaagga aaagaatggt catgccctct ttcatggaat agtttatgac   120

tgtcaaagaa cgattcatag gactagctcc ttgtgtttta tcaaaagaca aggaaataga   180

attgcacact ctttagcatc tctatcattt tgctattntg ataaatgctg gattcaggag   240

gtcccctata aggtggatca natcatttca agtaatgtaa tttctgcctt ttcttttttgt   300

actggccagg gtccataaag tacactcggc aatctacata gcactccatt acgcacgtca   360

gccctccatg tcagccctat cacaagagca cggacgtcca gtccttatta gtcgagctct   420

caatagacaa gttatctccg accatttaat tag   453

<210>   387
<211>   339
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   387

cttatgttga gaggtaagtg ggaaaacagc aagatataaa caaaccatac actntttcct   60

ctgttctctc cttttaagac tcanaattga gctgtctcct atctnntgtt ttgctgaatc   120

agagattctc tccaccaccc ttntcaagtc acagaatgaa gggtagtgag ggaaaataac   180

aatganacaa atctaaaaat gaaagaaagg acaagttggt atgtaatgtg aagagatgag   240

agaggaagag ccatatctca tggcatatat tttcgcaaca taaccccact tatgcttcct   300

tatatgggag tgagatcata caacacctca actactctc   339

<210>   388
<211>   458
<212>   DNA
<213>   Glycine max

<400>   388

ttcgaccttg gtgatctttg actccatgtc atcgaattgc atgtccactt gtaactcaag   60

agcatcaacc tttcaccaac aaaggtttga agaccatcaa acctatccaa aacctttga   120

agaagagagg aatcttctcc accatgtaaa tgtccttctt catcaatggg ttgagcaccc   180

tttttcaccc aagagccatc atgctcttta cgataaccaa aggatgcaat catagtggca   240

ccgattaaga aggatctctt gattggaaca taaggttcag aatcaggagg gatgttatag   300

tgtttaagga agagagtgac taggtgtgga tatggcaatg tagcatttaa tcgcaatgcc   360

ttatgcatgc gatatcggac taagtgtgcc caatcaattt gtcggccttt atgaaaagcc   420

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<210>   389
<211>   384
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   389

gtcacaccta ctcattctaa aacttaattc cattccanaa cgaccatata tagggaccaa   60

agtacaacat tccaaatcac catctaaaga aaagttcaac ggtgttctac atatgttcca   120

accaagcaca cacagacaaa catgtcatta acacaaatta taagcaaaca aagataggaa   180

gaccgcgagg gggaatgagc gaggganaat gaaccttaca aacgatgaga gagtgaagct   240

attgtgaggg cgagggcatg caatgatgac gacgataaca cacacgagct tcgacaacaa   300

cactggacaa cttcgacata gacgctntnt gtaacatccc atttttttcgt anaaataaat   360

atagagcana taaataaata aata   384

<210>   390
<211>   449
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   390

gaagaagaag aagaagagga aaagaggaag aaagcctctt gcatatgcaa aatctgaatt   60

gtgaggatta gggaagggtt tatgacccct ataattctcc ttttcacacc catgctttca   120

ctcaaaacac ccaccccta acacacatca agacccatca actcccaaac tcattgaaca   180

ttatgaaaaa ccaattaatt aattatgaca tcaccacata ataattatt tacttcaacc   240

acttaattta aatttaatta cacaggataa tttattaaaa ccaattaatc aaacattatg   300

aaaaacacgg tgttacaatt ctccccaaca agaaaatttt catcctcgaa attttcttgt   360

gaagaanata tcgtangcac tgattaagca cacaactatn tcgctttcta ggggtatgga   420

tctttcctct atgatatnct ggatgggan   449

<210>   391
<211>   179
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   391

gtcgaagaac gggcgaaacc ttcgcgaaat tcttcacgga aaacgttacg gaaatgtttc   60

ggaagcgcct cggcttagat tttcttcacg gaaacaatct ttccaagcan attcgaaaga   120

gagagaagtg cctaaggggc tgaacccctt ccttcttcac ttcctcccct atttatagc   179

<210>   392
<211>   308
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   392

atcttcagtt tcggagttgg tcccctagta atntaattca tgaaatgggt cctnctattn   60

tgtanaatcg tgcaatattg atcacccagg ccacaattgg acgttgaccg ttagcaagtg   120

atgttgactg tcacgttctt attagatgat gactgtcaaa gtatcgtggt ctgtanagct   180

atcttatatg ttgaaagcat gatgttctac aaacatgaca ccaaccagtt aaatcacttt   240

cacatgatan naaagtgata tntttcgttn tcttaattat gcatggataa ntcttatcat   300

tcactact   308

<210>   393
<211>   419
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   393

taatgatggt ccgagttatg ttggggaacg gttacgaacc cggactgggt ttaggcactc   60

actcacgcaa cttaacttgt ntgacatagg ctaaccgtct tgctgggtaa attggatgac   120

tgtctacgac tacatcttcc tttccttttc gctcaatatg gcaacgacta gttaattgta   180

tcgtaacgct cggcaacctc ctacccgaaa gttctctcat tgcagtaact actctgtccc   240

tctcattcca cttaatcttg cgtaagtaac tgcctgatct cacttcatta tccggcacct   300

acactacatc agtgtcggat agcgattcta tagacggggt tccttggtgc ggtattcgta   360

tgtccccctc ttttgttttc actatcaacc ccactattct ctcttctcta ctgtcttct   419

<210>   394
<211>   283
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations

162

<400>   394

tctctctctc tctctgtact atatatatat atatatatat atatatatat atgtgcgtgt   60

gtgtgtgtgt gtgtgtgtgt gttaataaaa agctaagtgc tgagtgtgat aattntctcc   120

actcatctca aattaagttg gtggtatctc aaatccttaa gcaatgtagt cctanattnt   180

caacaggctt aatatgagag anattcctac aaacagaagt atattgtcaa taattntatt   240

acacataana ttagacagat acatactagt ggtggtccac acg   283

<210>   395
<211>   116
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   395

accgcgatct tagcaccgag ctcagctgtg gacaaacaat agttcttttt tacttaaatg   60

tttccatatn atatatggta ggtcagaatg tgctttgtta ttaccttacc atatat   116

<210>   396
<211>   478
<212>   DNA
<213>   Glycine max

<400>   396

caatggctta gtgaggatgg agaggtgcaa gttaggaagc atgtagagtt ggatatttcc   60

attggaaagt acaatgataa ggtgctttgt gatgttgttc ctatggagcc cagccactta   120

ctcttgggga gaccatggca atttgataag agagctaatc atgatggttt caccaacaag   180

atctctttca catatcaagg caaaaagata gtgctcagac cattgagtcc acaagaagtg   240

tgtgaggatc aaagaaaaat gagagagaaa attcttcaag agaagagaga aaaataataa   300

gagagccata cacttgagag ttcaaaaagt caggactaaa ttagggaaac acatgacagg   360

aaacggatga ctgtatcgct tgtagtgagg gacacttctt acctctacta cgatatttgc   420

ataggatcat gatactactg gtcattctgc tccccagtat tctcattagt taaattcg   478

<210>   397
<211>   436
<212>   DNA
<213>   Glycine max

```
<223>      unsure at all n locations
<400>      397

gtgctcctta aacctccatt aattntttgc tttaccttct cttccattgt tttttcttca    60

ttttttctcc atgtatctcc tcaaatgtct tgtgctaaat tctgttaaca tgcttcttta   120

gattttttcac ctattaaact tgctatagaa gctaaatttt attttctatg gctcaaattt   180

cttgctcttg atcttgaacc atgaattgtg ttgagtttac gttcctttga gttttgtctt   240

gatatttttt gcggctgaaa actaaaccat aaaattctta caataatatt acagtagaag   300

aaaacctcaa aaatctagag tgacttgttc acctattgta gttntgtcat agaagtcatg   360

tctagtcatg aaacttgtca cataagaatt cttatgttgn gctgaatcnt attctctctg   420

ttctttcgct aactcn                                                   436


<210>      398
<211>      460
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      398

ctcctctttc aaaccatgct atgtgctcgc gactagtcnc tctcttccct tcgcagcttg    60

agttcactat tgctacccca cagagctccg cganatttat tccggccata atcttccttg   120

cgagccctct tggtctcttg ttcaagggct cttgcggtag ttgcattctc ttcccgtaat   180

ccggaacact ccttccgaat gtgtgtagcg gccaacttga acttctcctt ggcaagtttc   240

gcctttccta actcactntt gagagcttgg acttcttcgt cctcttccgg tgcttcaaaa   300

ctctcttcgc tgatgacttn taacttggtg agccaatcta agcctcgtat atgaactntc   360

aaccattcat ggtacccacc aatgatgcca ttacgaatgc ccctaagttc ttgatctttc   420

tttaacnngg gttccatgcc tttatggatc tttgatagtc                         460


<210>      399
<211>      446
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      399
```

```
ctccnccttt gtcaagcaaa ttcttttttg atatcatcaa aacctgcatg atttacattc    60

tccccctttt tgatgatgac aaccacctgt aggttaggag caacaagaaa gaaaaaatat   120

ctatttgcat atagtttact ccccc ttggt ttttcaatgt ttgcttatat gagacaattg   180

aagatttcat attttttcata tataaaaagt tgtctcataa aaaatagata ttttttctta   240

ctattttatc ttttatcttt tctctcccccc tttgtcaaca tcaaaaacaa atcatgaata   300

gagaggagaa aaaaaatgtt accacttgtt gtaatgtatg agaatcaagt gataccaaaa   360

ggcattaaac caatcattca atattgatca agcaaaaaca agtatagtaa cacatcaatc   420

anaaacacaa tcaaaagcaa tcaact                                         446
```

<210>   400
<211>   469
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   400

```
cattgacaac atgattgacc ccttggcagc cgaagtttaa tgtgccaagc tatgcctttt    60

ggggttattg ttgcttttga aattttaacc aaaaatgact aaagtaggtt taaaccaaaa   120

atggctaaaa tggctaaagt aggtttaaac caaaaatggc taaagtaggt ttaaaccaaa   180

aatggaaaat tttgcttttg ttaaaactgg taaaccctat cataatcccg tagatggatg   240

tgctaacctt ccttggatgt gtaatcagag tgaaccttgc acaaagtcca ctctcacaaa   300

gttaaattac atagtcactc aatgcacaat gcaattcttt gatagataga aattcagctt   360

agacaatttt catatctcta tatcaaacaa aacacataca ccttgttata tatctatgta   420

tagcacgaaa ttcaaggctt agaattatac aatntataaa ttaaattct              469
```

<210>   401
<211>   451
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   401

```
ctaaagaagc tagagcttag ctacacacat ccnctataat agctaagctc accccccaagc    60

caaaatacat gaaaatataa aaaaaagtcc ctaatacaaa gactactcaa aatgccctga   120
```
```

aatacaaggc taaaacccta tactactaga atgaccaaaa tacaaggcct aaaagaagga    180

aaaatctatt ctaatattta caaagaagag aggatccaac cttggtccat gggctcagaa    240

atctaccctg ggattcatga gaaccncaag gccttcttta gcagctctag cccaatcctc    300

ttagagtctt ctatccaata ccccttgtgg ggtaggatng cttcattccc ttcaacttgg    360

aaaggatntg acctgaaaat ccgaaggtct tcataatttg ggctccctcc ctcgacacct    420

cgaaaaaaga ataaaacata tgtattagtg g                                  451


<210>      402
<211>      380
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      402

gctgaatata tagctgcagg aagttgatgt gctcanagtc tttggatgaa gcaataactn     60

taacactctg gagtanacct tgatcacatt cctctaaaat gtgacagcac aagtgcgatc    120

aatctaacan aaaaaatctt gtcatgcatt ctagaactaa acacatagaa ataaggcatc    180

attntctcaa agatcatatg ttaaaagttg attggtgcat tgagttcata gatagtgagc    240

atcaactaac agacgttntc actanaccac ttgctagaga tagattctnt ttcgttagaa    300

atgaactaga catattagat gcatctagta tagaatgaca ttctatttgc atagtgtgtg    360

atgcacattc ttactcatat                                                380


<210>      403
<211>      114
<212>      DNA
<213>      Glycine max

<400>      403

ctaaaaactt agttagataa aggttataga tttaggcgac agtggcagcg gcaattatac     60

aacgcctgcc tacataaaac tactgattct acatagatat ccaggacgat cacg          114


<210>      404
<211>      393
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations

166

<400> 404

tcagctgaat cacttccctc ttcanacact agaatagata ttatatnngg tctttataac 60

acaagtcata cctaattcng attggtctga ctaaacaatg tanaagtatt tatactagtg 120

atttatgaaa aataaattca ttntanatnt gtgtttaatt ntaatttatt gctggtgtaa 180

ataattttac cccatcaact aattaannat cttaatgtaa ttataagaat ttaattattt 240

agcacccaca atataatata taggaaccag tacaaaaaat tctttttaac attagttgnn 300

tttaacattn tatatatgtt ttgtaatgta tgctaataag ttgatataga aacactacaa 360

gaaaaacact taaacatgtt tgatatattt ttt 393


<210>     405
<211>     241
<212>     DNA
<213>     Glycine max

<400>     405

ttatcctgct ttgatgaata tgaagcctcg ggaagatgga gagataagaa agagggagaa 60

tcatgttgtg actgccgcct acatggccaa attccacaac taacaatgca acacttagct 120

agatagtcat ttcataccca ccacctacta gtaagacact tatcatcaca aggccacctt 180

aatcagcaca aagtcacctg ccgacatcta tataaacacc ctcttacact accaaacact 240

a 241


<210>     406
<211>     246
<212>     DNA
<213>     Glycine max

<223>     unsure at all n locations
<400>     406

atcatgataa caaccaatat gaattccact canaggagtt gggcatgtaa aagccaaaac 60

ttcttcaagc tntagcctta agttgttcac catgttgctc ccctatctct aacaacccat 120

gcatgtagtc caagttcaaa ggattatagt atgttgatag tgggcgcata aaccatatga 180

taagggactc aagtctgtta aactctttag acaaggctgt tagaaccaaa gtcaagaatg 240

gaaatg 246


167

<210> 407
<211> 454
<212> DNA
<213> Glycine max

<223>     unsure at all n locations
<400>     407

```
gatatccact ccacaaggtt tgaagtagag gagagcttca accctataac gcaacgtggc    60

ggacaaaagt gggcagtaaa cttgaatgat cgtcattgtc aatgcggaag gtattctgcg   120

cttcactatc catgttcaca tattattgca gcttgtggtt acgtgagcat gaactactac   180

caatatatag atgttgttta tacaaacgag cacatcttan aagcttactc cgcacaatgg   240

tggcctcttg ggaatgaagc ggctattcct ccttctgatg acgcatggac acttatccct   300

gacccaacca caattcgtgc gaaaggtcgg ccaaaatcaa caaggataag aaatgagatg   360

gattgngtcg aaccatctga gcaccgaaca naatgcagta gatgtggagc cgaagggcat   420

aacaggcgtc gctgtccaat gcaatctgag cgtg                               454
```

<210> 408
<211> 304
<212> DNA
<213> Glycine max

<223>   unsure at all n locations
<400>   408

```
tcagctatat gnggttactt atatttgtca tgttggatan natttagctt tatatattgc    60

taattcagct tataggtgag aatgaagcta ctntagctcc tatatatnna accatngatn   120

ntaatagcaa tatggcactt ntgagcaaga attactctct ataagttntc atatcaagag   180

tcanatgcta ttgaaatgga taaatgcaca atataattgg tgtgtatcaa ccctaacaca   240

acaacactac cacaaaaaca cacacnctat gatccacaat tngaaacgaa agggaaaagt   300

catg                                                               304
```

<210> 409
<211> 457
<212> DNA
<213> Glycine max

<223>   unsure at all n locations
<400>   409

```
aaaggatcga  agtgggtctg  aaaagaggca  aatttaatca  tcctgcttgg  gcgaatgaga    60

aaactggggc  aattgaagaa  ggtgaggatg  agggagaaac  ccatgctgtg  actgccattc   120

ctatacgacc  aagtttccca  ccaaaccaac  aatgtcatta  ctcagccaat  gacaaaccct   180

ctccttaccc  accacccagt  tatccacaaa  ggccatccct  aaatcaacca  caaagcctgt   240

ctaccacact  tccaataacg  aataacactt  ttagcacaga  ccanaacacc  aaccaagaaa   300

tgaattntgc  agcgaanaag  cctgtaggtt  caccccanat  tccggtgtca  tatgctaaac   360

ttgctcccat  atctacttga  tactgcaatg  gtagccataa  cccctactan  gtttcctcaa   420

cctccatttt  tccgagggta  cgactcgaac  acaatgg                              457
```

<210>   410
<211>   254
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   410

```
tagatagatg  acatcnagcg  ataactgagc  catgtgaatg  ctcatncgtg  tcaggatggc    60

gtacactagc  taacacttcg  gcagggggag  gtcggaatta  tgatcgctgg  gctggatgtt   120

gctgagcagc  anaatcatcc  agatctgagt  cagggtggtc  atggtggtgc  gcatgatccg   180

cacncgtctt  ccagcagcag  tccaggcana  atcctgcccc  ggtatacata  gcaactgggc   240

gatggcctct  catc                                                         254
```

<210>   411
<211>   455
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   411

```
aacctatatt  taaaataact  taatgccatt  aacctaggga  attaaaacaa  acttaatggc    60

tgagtgtaac  tgatattgtg  gcaaccaaaa  gtcacccccca acagccaaca  agtcagccac   120

catttggtct  cccaaaaggc  tgatgcctat  gttgccaatt  gggcccttat  tacaacttga   180

actaaagccc  ttttagttga  ttaacccaaa  acatattttt  ggtcagccaa  ctttacaagg   240

attgggccat  tatttagaca  aactaaacac  tctaaaactg  aaataaagtg  gtgtcattta   300
```

```
gtcctcctcc atttgggcca tgatacaact cacaaccttg gacttttctc cttganactt   360

gngcttgtat tcaaatagta tggacagcac tttgtgaaga gcttccttgg ctttccttgc   420

tctacccctt gtcatangtc ctccaaaagt cttan                              455


<210>      412
<211>      352
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      412

tgaggtactt ctctctctct ctctcaatag ctgaggaaaa gtagttccat gaagaagatc    60

caagccgagg cgcttccgta acgtttccgt gagtaattac gcgaagattc tcgaccgttc   120

ttcaagattc atcgctcgtt cttcgttntc ttcggtcttc aacgggtaag tacctcagac   180

caagctnttc aattcattct atgtactcgt ggtggccaca ttntgttcat gtattttatt   240

ctcgtttcat ttacttttat acccgctttt acgtgcttaa gccattatta agcatttctc   300

gctaatctaa aataaataaa ttccaccgat cgttgaatgg tatcatcgta at           352


<210>      413
<211>      448
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      413

gtcaaggcag ctgaaggaac tagttccgct ccggagtatg acagtcaccg ctttaggagt    60

gttgtacacc agcagcgctt cgaggccatc aagggatggt cgtttctccg ggagcgacgc   120

gtccagctca gggacgatga gtatactgat ttccaggagg aaatagggcg ccggcggtgg   180

gcaccactgg ttactcctat ggccaagttt gatccagaaa tagtccttga gttttatgcc   240

aatgcttggc caacagagga gggcgtgcgt gacatgagat cctgngtaag gggtcagtgg   300

atcccgtttg atgccgacgc tatcggccaa ctcctatgat atccgttggt gttggaagag   360

ggccaggaat gtgagtatgg ccagaggagg aaccggtctg atgggttcga tgaggaggcc   420

atcgcccagc tgctatgtat acttgggg                                      448


<210>      414
```

<211>   278
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   414

actggtaatc gattaccana acattgtaat cgattacagc tnntttgaaa taatcggaac   60

gttgtaaatt cnagttgaaa aactttcan aacaatattg ctactggtaa tgtcataccc   120

taatttcgtc cggggacctt tgcttgatga catgcgacct ttctttggtc cttgtgaggt   180

gcttggcatg catcattang caatntgtga gattccagga catgccgaca aaccaacaaa   240

atattgatgc acaaatccgt aagtttccgt gacacacc   278

<210>   415
<211>   457
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   415

cgggccattc caagtgttgg agaagatcaa cgacaatgcc tacaagattg acttgcctag   60

tgagtataat gtaagtgcca ctttcaatgt gtctgatcta tctctttttg atgcagatgg   120

aggagccttg gatttgagga caaatccttt tcaagaagga gggagtgatg aggacataac   180

caagggcaag gaccatgaag cacttgaagg tcccatgacc agaggcagac ttaaacaagc   240

ccaacacgtc atagagacaa ggctggtcat ttgtatagct gccattgatg atgattgaag   300

gcccaagtgg agaaagatga aggcccagag gcagaggcac taccaagact actaattgtt   360

gttgaaggcc catactaact tgaaggccca agttaaataa gttnttagtt ataatttatt   420

tntattggaa ttctggccca tactgtntag aacgccn   457

<210>   416
<211>   511
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   416

ngtgtgctcc tgctcttacg gacctatgaa tctcagctnt cacaagagtc ttcacaaata   60

actatcatga agcaganaac taacaaaact acccatcata tctcccaaaa ccccataccc   120

171

```
acaaatttgg agcttcaatg gagaatgaag aagaagagaa tggcaacgtg agggagagag    180

agagctgtct gaaataatgt ggggctgagt gaagagagag agagttgctt tttgatttta    240

aaaaggcttt ttcctcattt cttattattt tattataaac tatgccacat gtctccattt    300

gagtggagca aaaagggccc actttccctt ttgactgtga cccatactca gccacaaaag    360

tgaggaaaat ctgacctttg aaatgctaaa atcctgcctt ggttggcgtg ccgtttctct    420

ggttccagtt cctcgcgttt ctctgcgtcc atcggngcca gttttcgaaa gtacgcaata    480

tatatatcan aacgctcaga ataaaacccc g                                    511
```

<210>   417
<211>   445
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   417

```
attctattag cacggattnt atcagctcaa caaaagtttg tagatgcaga acttgttata     60

gatgctgctc tagatcaaag tggcaaatgg gatcaaggag aattgttgag aactaaagct    120

aaactacgga ttgcacaagg aaaattaaag aatgcagtgg agacatatac ttttcttctt    180

gctgttcttc aggttcaaaa taaaagttta cgcacagcaa gtaaggttgt gaaggtatgt    240

gtcaatgata aatgtagaat atatcactta gattctttaa taactcanat tatcaacggg    300

aaaggaatat tagaagcttc gctcacagtc ttanactcta cctttttaaca tatgtagaat   360

aatatattac ttttctgatt tatctttcat acagaataan ggaaaccgtg acagaagact    420

ggaaatggaa atatggcttg attat                                          445
```

<210>   418
<211>   480
<212>   DNA
<213>   Glycine max

<400>   418

```
ctcttatttc ttggtaaagc tctatctaaa taaagttgtt attactgcaa gaaatcagat     60

ttatctccca cccctgtcct tctcaatcat tccaatcccc acccccaaaa gtccatgagg    120

gtacccttca ttatgtggtg cttacggctt atacaaatct aataatttgt ggattcaggt    180
```

```
agatgtggag tttttgatgg tactattgaa aacatgcact tgcactggaa gtactgggaa   240

ctggtcaaga aaattgtgaa ggctaaaacc tttgaacgag taaaaaaaat tgcactagca   300

cttgaagctg agagtggagg tgttctggtc tcagttgaca aagtttcaaa aggatattct   360

gtaattgttt atcggcgtaa ggattaccaa cgtccttcaa cattgagacc cacaaatctt   420

ttgacataga gaaaggcttt agcacgttca atcgagcttc aacgacatga ggtatgtatt   480
```

<210>   419
<211>   460
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   419

```
aatggagttg acaagaatat cttcagactt atcaacacat gcacagtggc caaggatgca   60

tgggagatcc tgaaaaccac tcatgaagga acatccaaag taaagatgtc cagattgcaa   120

ctattggcta caaaattcga aaatctgaag atgaaggagg aagagtgtat tcatgacttc   180

cacatgaaca ttcttgaaat tgccaatgct tgcactgcct tgggagaaag aatgacagac   240

gaaaagctgg tgagaaagat cctcagatct ttgcctaaga gatttgacat gaaagtcact   300

gcaatagagg aggcccaaga catttgcaac atgagagtgg atgaactcat tggttgcctt   360

caaacctttg agctangact ctcggatagg gctgaanaga agagcaagaa tctggcgttc   420

gtgtccaatg atgaaggaga agaagatgag tatgacctgn                         460
```

<210>   420
<211>   269
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   420

```
accatacaga acctttgcct tccatgcagc aacctggagc aattgagcaa cctgaagctt   60

atgttgcana tatttacaat agacctnctc aacctcaaca gcaaaatcaa ccacagcaga   120

acaattatga cctctctagc aacagataca accctagatg gaggaatcac cctaatctca   180

gatggtccag ccctcagcaa caacaacagg gggtacggaa agtaccccct tgaattgtat   240

attcaagaca tttgagaata aacaaacac                                     269
```

173

<210> 421
<211> 427
<212> DNA
<213> Glycine max

<223>   unsure at all n locations
<400>   421

ctaanaagag gtatatgtga tgtgagagaa aaaaacatac tcatactccg attattaaca   60

gatgctttct ggtgttgcat acgagttgcg gcaggatgag ccaagctttc aatggaccca 120

atcaaaataa gaacattgaa gcttctaaag agtgacacgt atattataca aatataatag 180

ttagaaatag atagtatcat attatagctg atatatatca gatgactaac ataagatgat 240

cactgctagc tggacggcag caganaattc atgccaggaa acgattaaat tttgacttta 300

ttaattcttc tagcacctta taatggaaaa aagagttgat agatttgcgc ctaaacattt 360

tatttaaaac aaacagagtt tccaacatcg attgagagtt tttttatatc aaacctgtga 420

ataatgt   427

<210>   422
<211>   365
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   422

cactcacaca ccgcactctc caatccttag ctcanaccta tggtcctttg atgctacttc   60

actttggaaa aatgccagtt cttggtgtct caactgctga ngctgcacgt gagggtatga 120

aaacacatga cctcgttntc tccaacagac cacatcgtaa gatgtttgat atcctcttgt 180

atggttccaa agatgtggca tcttctccat atggcaacta ttggaggcag ataaggagta 240

tatgtgtctt gcatcttctc agtgccaaan aggttcaatc ttttggtgca gtgagagaag 300

aagaaatctc cataatgatg gagaagatan ngcagtgtgt cttcttgatg ctgtgaatta 360

tctga   365

<210>   423
<211>   448
<212>   DNA
<213>   Glycine max

```
ttcanagttg ttttgatgat aacaatgatg acaacaaaag atgatgacaa aggtgatgaa    60

aaaaagctca aagatcaaag aacaactcaa gtaaatcaaa gaacatctca agtgaatcaa   120

gaacaagtca agagttctag aatcaagaag aattcaagac ttaagaagaa agcctagaat   180

caagaatcaa gattcaagat tcaagaatca agactcatga ttcaagaatg aagaaaagac   240

tcaatcaaga taagtattaa aaagtttttt ttttaaactt tgaatagcac atgagttntt   300

gacaaaacct ttaccaaaga gttnttactc tctggtaatc gattaccagt agcaaaataa   360

gtttgaataa gttttcagac tgaatttaca acgttccaat tattntcaaa aggctgtaat   420

cgattacaat gttntggtaa tcgantag                                      448
```

```
ccatcaaccc catgccaaaa tacatganaa tatataaaaa aatccctact acaaagacta    60

ctcaaaatgc cctgaaatac aaggctaaaa ccctatacta ctagaatggc caaaatgcaa   120

ggccaaaaag aaggaaaaaa cctattctaa tatttacaaa gaataatgga tccaaccttg   180

atccatgggc tcaaaaatct accctaaggt tcatgagaac cctagggcct tctttagtag   240

ctctagccca agcctcttgg agtcttctat ccaataccct tggggttagg attgcatcac   300

accatacaac attggttttg accatcaatc actatccctt tgtggttgat tcaccttcaa   360

atcatattta tgtttggaag agagaaattg ttgttgtgct gagcgtaact tctcattctt   420

tgttgatctt tcacactcca ccttcacctt cactaatcaa ctcaaacct                469
```

```
tctgtgacac catcagacct atgccttcat gcagaacctg agcaataggc agccgaagtt    60
```

```
atgctgaaat atttacacag acctctcacc ttagggcaaa tcaccatgca aacaatatga    120

ccttcagcac agaacaccct gatggggaat acctacctca aggtcagcct cacacaacag    180

agctgctctt cttcaaatgt gtggccagag acatcattct cacatccaca caca          234
```

<210>   426
<211>   418
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   426

```
gctacaacaa ctgcagcaag acccactatc cacaatgaca gaacaatatt tgtntatacc     60

ttgcatcttg tatgaaagat gttctctctt tgtgtttggg ttaggtcaca agattgactc    120

ccaagtaacc ttctgaccat tagaagatca ccttcttcat aggggtaaat ctcttcaata    180

tggtcatcac cattggcttc accctcactt ccactngagg aaggagaaga tgtagcctnc    240

ttttggctac tatagatgtc ttgaccgctc atgatcatgg ttttctttgt ggggcaatga    300

gaagcaatgt ggcctagcaa tgcttgttct ttcctcctcc ctaagtctag ctctcagaag    360

ggagtagtgc atttgtggct atattcttca cactcatact cccttngcta agcttttt     418
```

<210>   427
<211>   589
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   427

```
ctaacggctt cctccatatg tcataggcgt taaagcggtt gtaatatctc gtaacacttc     60

aaaannccta gcactagttt gaatcatgcg tcgctgagac ccntagagtc gacctgcagc    120

atgcaagctc tgtccttaga tccctcttgt tggactatac tcataccaag caacattatt    180

gtacaacata ttataaccaa cacttaatcg gcagattcct cttagcagac taagattcaa    240

ttctgcttca ttcaaggtct aaggcaacaa tacattttcc aatgcttaaa tcacctaacc    300

gggcacacaa atggttgatc agaccatgag catacaaaat ttaagcactg aaagaagcat    360

tgaacacact agaaactcaa tcaattagat attaaaataa ttacatcagg tgttctttag    420

aaatacccaa caagggtgtt tagcccacca ttacagacaa acccctatca ataatgagat    480
```

aaataaaccg taagatttct tgaaagctgt ccttttgctt ctacagagct ttttccaaaa   540

ggcacttggg tgcttataat ttgtgcaaag cgtgttaaat ctggagtan   589

<210>   428
<211>   192
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   428

caaccaaaga tatgaagatg tgagatgtnt ggttctctgc catcgaataa ttcatatgaa   60

gtnttctnta aaatgggtct tattaaagcc ctatctaaaa tgtagcatgc agtgttaacg   120

gcttcagccc ataagtattc tggaagagga gtatcattca ataaagntct agcaatctcg   180

tccaaagatc ta   192

<210>   429
<211>   526
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   429

cgttgatcgc tcgtgacgag ccnnttgagt aacatcgacg catgcaagct tgcatatgaa   60

gaanatgggt ggttgggcat aaatgtgtg cattaaatgc atatactttc tcatgctaag   120

aaactagtct ttgtcgcagc gtattgaaca cttaaggagg aaaccacttc ttttgtgtta   180

gaacaagttt atgcaacaaa gttcttcttt tgatggcgat tgagaaattt tagagcttga   240

cttcatttat tcctcatagg atgtgacaaa tcctaggaga atatctctgt aaaatagatc   300

tcaaacacaa gagtattaaa tgaagtctta catgtcaact ttaatgttgt atcagatcat   360

gatttcatct tggctaccat tgaaacatca gatgcagact ntgcaaaaca tgatttgata   420

gcacataaga tgcaactnta aaccttcgta tttgttttca tctaacaaca tgtcttaaga   480

cataaatgtc ttttaaccta gcaggaatgg tattcctatg aatacg   526

<210>   430
<211>   250
<212>   DNA
<213>   Glycine max

177

<223>   unsure at all n locations
<400>   430

acttcatata gcagtctata tggctgggta ttgngaaata tcacaattca tatgtcaggg   60

aatcttgtca cctagagaaa attgagaaag attntcttag ataatagtcg agaatagaga   120

gtagagacgt tgggaacaga gataatatgc tctgtcttac tgcgaccaaa actacaaagg   180

gtgtacaaag gagcactcgt ctttcacacc acgatgagtg ctcgtcacaa cactgtacac   240

atgttattac   250

<210>   431
<211>   459
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   431

acatgtggta ctaggtggcg gtcgggcgat gatgcacaac aagctttcca catccacaat   60

gcgcgcataa acccaccatc cccttttgcc cacctccaac tgagctcacg tactcccacg   120

tagcccatat cctcgtttct ctcaacaccg ggtacccatc aatcctccca agcttccaca   180

acatccaagc aaaacaacat tcaaacagca caagctatca cagccaagca aaacagagca   240

aaggcagaaa actctgctca acacatcaac caaaatcaca gcttttctca cttaaagacc   300

acagtaacaa ttccttcgat ccaattcgtt aaccggtgga tcgactccaa aattntactg   360

gaagtctata gtgcataagc ctacattntg accgttggga tctactggca nacatccaga   420

actcattctg cactactctn tccacaacca gcanaaacn   459

<210>   432
<211>   201
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   432

agctacctag tctataaata gaagcatgtg taacactagt tgtaactntg atgaatgaga   60

gtcttgtgag acatacttca nagttccact tctctccctc ttttattcct tcaatttcgt   120

gcgcccccct ctntctttct cttcctctnt cttttcctcc attgaagcat cctctccaag   180

cttcttatcc aaggctcatc t   201

178

<210> 433
<211> 456
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 433

```
gaaacttcct gcttttattc gttgaccaca gagtggtacc tggagatatg tcgcggnggt    60

caggagacct tgnggacgtc aggtggggtg ctattgccca aaaccaagct tgaccaatcc   120

cgacccaacc cgggcatagt cagtcagtga gagcctgtga tgtacctaaa caggcgagct   180

cctggcagtc aacagataaa aggaacaaag accacaaagc aaggaggctt gtggtggctg   240

gccagctgtg aactttgatt gatatgtgag atttggcctc tggtaatcga ttaccaaggg   300

tgggtaatca attacaaggc ttanaaatga agacagaagg ctaagatggt ctctagtaat   360

cgattaccaa gggggtgtaa tcgattacca ggcttgaaaa cgaggtcagg aagccatgan   420

ggcttctggt aatcgattac caagggggtg taatcg                             456
```

<210> 434
<211> 318
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 434

```
gaataaagag ggggagaagt agaactttga agtgtgtctc ataagactct cattcatcan    60

agctacaaca agtgttacac atgcttctat ntatagacta ngtagcttcc ttgagaagct   120

ttcttgagac aacttccttg agaagcttct ttgagaaaac ttccttgaga agctagagct   180

tagctacaca cacccctctc ataactaagc tcaccttctt gagaagcttn cttaagaaga   240

ttcgtanaga agctagagct tagctacaca tacctctcta atagctaagc tcacctcctt   300

gagatgagaa gctagagc                                                 318
```

<210> 435
<211> 215
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 435

tatgtggact aggtggcgat cggacgatgg tgcaagtcga ctcttcacat ccacaaatca   60

cacataaatc catcatcccc agntggccac cttcaactga gctcacgtac tcccacgtag   120

ccncttatcc tcgntccttc aacaccgggt gtccatcaat ccctgcaagc ttccacaaca   180

tncaagcaat tcaacattca tacatcatga actat   215

<210>   436
<211>   308
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   436

gactganaat gttattcagt ntgtcagaat ggatgtgaag cttttgattt gttggcagcc   60

caacctcatt acanacctag aaagtccttc ggattcattn tgtgtgttta tttctgtatg   120

gtatgagatg atatgcanaa gttgggactt ctgttagttg tttataatgg aatgatccta   180

aacacttgag cttgagtgaa acaacgactg tgaggctntg gttgatgatt ctttccttga   240

tatctgccat tctcactaac ttattntagt tgtgactcta atgcatatgt tcctatcatt   300

gaaaagct   308

<210>   437
<211>   456
<212>   DNA
<213>   Glycine max

<400>   437

actaacgtcg tcttctgcga cctttgtcaa tcgcggccga caagcccgtt gacacgtgga   60

gatttacgtc atcttccgcg ctcacaagat ctgtcatact gacttttgag tcacgctgac   120

ggccggaaat atccgagtgg ttatccgtat aaactttttg ctgtctgtaa gacgaaaagc   180

ttgatagcac gcagagacta acgtcgtctt ctgtgccatt catcaatcgc ggccgacaag   240

cccgttgaca cgtggagatt tacgttatct tccgcgctca caagatctgt catactgact   300

tttgagtcac gctgacggcc ggaaataccc gagtggttat ccatataaac tttttgctgt   360

ctgtaatacg aaaagcctga tagcacgcag agactaacgt cgtcttctgc gaccttcgtc   420

aatcgcggcc gacaagcccg ttgacacgtg gagatt   456

180

<210> 438
<211> 254
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 438

```
actcanaagt cagtatgaca gatcttgtga gcgcggaaga tgacgtanat ctccacgtgt   60

caacgggctt gtcggccgcg attgacgaat gtcgcagaag atgacgttag tctctgcgtg  120

ttatcaagct cttcgtctta cagaatgcan aaagtttata cggataacca cttcggtatt  180

tccgcccgtc agcgtgactc anaagtcagt atgacagatc ttttgagcac cgaagatgac  240

gtanatcacc gcgt                                                    254
```

<210> 439
<211> 487
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 439

```
atgtataata aaataggtaa tgtgatacat agaaggatga caagcaataa aatcgaacat   60

aagaaagtat tacaaaaagt acgaataata ttaagataac ctcacataat ggagaaacag  120

cattcttgat aacaattcac ttccatcaca agaaanaaga tctgataccg tggactgatc  180

aaacgcatat tnganaaaga tatagaatag ttatatcttt gattcagtgt atggccaaaa  240

attgacggta cagaatgtat gaagagagtt tagtctaatt aactaaacag aatataccaa  300

tattgtaaac tntagtatgg tgttcagcta gtacggataa ngaaacaata caaaatttga  360

tctaaataat atagctctta tgtcaaagca caatangatg atttttaaca aatgactgaa  420

tcaacacgca tatatttatc aatctccaca aagatagaga tcatataaac atctcttata  480

tttatat                                                           487
```

<210> 440
<211> 439
<212> DNA
<213> Glycine max

<400> 440

181

```
ttgtcgtgat taccaagtga cagaacaaca ttacctgtat tgagcaactt caataagaac    60

ctttacaggg atgctatcct acccttagg atttggactt cttggccata ggtatcgctg    120

cacatctcca atatggcatt gcatttattg tggttggctt caatccctcg gtgagtgacc    180

tgaagcccgc gaacgtgcct tcgtctgcac ctaaagtcat tgttgacagt ggcagcccat    240

gtatactccc ggacatctca tagacctctt ttagcgccgc aacatgtagt cctctgcttt    300

gtaattcgac tcctatctag tgcaaatata ccttgacgcc acattcgatc tgatatttat    360

aggcataggc tcaacctacc gtgtgtatgt caccgctgac ttatctagcc ccacgcgcta    420

ccctaaacaa ccctcgccg                                                  439


<210>    441
<211>    419
<212>    DNA
<213>    Glycine max

<223>    unsure at all n locations
<400>    441

caacaagtat tctncatcat gcacacacac acantcatat caagagaaaa aggacattaa    60

tccttttccc ttcctanggt cacaatcaac atggcccttc aagtggaata atccacttta    120

ccaaatcaca caccaccaca tatccaatca ccaaatcatt actagacatt caaagtanna    180

tttttctgaa ggttggacac nctttgacct aaccctanag tgcgacgaat cttaattaat    240

atcattaata aactcatata cataacacac aacattcttt accaagtggt cacactcaat    300

tggtcttaan acatatacaa tagcaattct tataatttca tattataaag tctncatcan    360

agtanacaat acattctaca attcacatca ttaatttcat gcatttcata tacattcat     419


<210>    442
<211>    463
<212>    DNA
<213>    Glycine max

<223>    unsure at all n locations
<400>    442

tcaaagcctt gtatggattg aaataagcta taagagcttg gtatgaaaga ctaagtttat    60

tcttactcta gatagttact ctagagaaat agtggacact tcactattca gaaaggctta    120

gaaaaaggat ctgctgatta tacatatata tgtgaatgac atcatttttt atgtaacctc    180
```

```
tgaaaggatg agcaaggagt tttctgagct aatgaaaaga gaatgtaaaa tgagcttgat     240

gggtaagttg aagttcttta tangactcta aatccttcaa caagattatg gaattttcat     300

gcataaagag aattcctcat ggacctattg ataatgttat taacggatga agtcatacat     360

atggttaccg tgccatcctt ccactatctt tactatctaa tcattggtat gctatcttta     420

tatgaccact tactgtctat atcgctcctt tttcttaatc ccc                       463


<210>      443
<211>      433
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      443

aaggttctag ttgtagggct ctctctcttt nttttttttt ggtttttattt ttagagtgct     60

actctcaatt cgttttagtc tcttttcgtt ttggaagaat aattctagtt ttcttcattt    120

tctactgatt aatggaaggc taagtctcca gcgttatttt ctcttgagga ttaagcacaa    180

ctctctttga ggttctatta ttactattaa attctgataa gttttttcctc ttcaccaatt    240

actatgtatt tgttgctatt aatccatgca tgcttagtgc ttgattaatt gtctctgtgc    300

ttaatttacg ttcatgctta ctgatcgttc atgattaatt ggtgtatgtg ttggttaatc    360

acataatgaa tgccttatgt taaatttcgc ttagtaannt taattanggt tggattaagt    420

ggttgaactg acn                                                       433


<210>      444
<211>      161
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      444

tatgaccttc atgttatggg tatcctttgc gacgcatatt angntaagag ctcttgtgat     60

aagcaacact ccaccaagag gggaaaatgg tgaatggagc attttgttgg tgtaacataa    120

gtatatgcgg aacacgaaga aagcaaggta tgttatggag a                        161


<210>      445
<211>      371
```

<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   445

ctcagctaat aaggaggaag tggagaggtt ggaagctact ttggccaccg cccagaggga   60

gaggaatgct gaaaaggagg agaggattgn ggttgagcaa aaaacatata acaatgttta   120

tgaagcttat gagtgtgggt tgaatcactg catctaacaa ttacactttg actatgaggt   180

cccaaatgaa tccattttca acatgaacaa agatgtctat aatggagact taatcttgat   240

tgatgacatt tcggatgagg tgggatcaaa tggtgggcag ccaactaccc ctcttggtga   300

aacccaaatg accaattcgg ctgaggagga tgtggacgat gtcccatata cgagccanaa   360

tggcgtctct t   371

<210>   446
<211>   436
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   446

tgttcgcaca tcgttcgcgt gtatgatatc cactcgacaa ggtttgaagt agaggagacc   60

ttcaatccta taacgcaacg tggcggacaa aaatgggcag ttaacttgaa taaccattat   120

tgtcaatgcg gaaggtattc tgcgcttcac tatccatgtt cacacattat tgcagcttgt   180

ggttacgtga gcatgaacta ctaccaatat atagatgttg tttacaccaa tgagcacatc   240

ttaaaagcat actccgcaca gtggtggcct cttgggaatg aagcggcaat tcctccttct   300

gatgaggcat ggacactaat ccctgaccca actacaattc gtgcgaaagg tcggccaaaa   360

tcaacaagga taaggaatga gatggatngg gttgaaccat ctgaccaccg acaaaaatgt   420

agtagatgtg gagctg   436

<210>   447
<211>   442
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   447

agcgcgggtc tgggagacaa aggtcaagcg ttcgcgatat gcgaggatga tattccgagt   60

actttggatt tggtacgacc atgccctcct gatttccagc tgggaaattg gcgagtggag   120

gaacgccccg gcatttacgc aacgagcata atgtaaacct ttacggtttt aaaagctcta   180

tagttgggcc taggctttag agtttttcct tttgttaagg ctttgtgtct tttgtttttg   240

aatttataat acaaggatct ttcttcatct gttcctggtc tctacccatt ctcattcatt   300

tgcatgttta cttctttntc tgaaacggca gatccgatga cgagtccccc gaaggtacta   360

atacctggga cccgcctatc gacttcgagc gagaaatgaa tcanacggaa gatgaaggaa   420

atgaggatgt gggacttccc cc   442

<210>   448
<211>   410
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   448

ngagttgagg aagtgtagaa gggtgaaact tcctgctntt attcgttgac cacagagtgg   60

tacctggaga tatgtcgcgg nggtcaggag accttgngga cgtcaggtgg ggtgctattg   120

cccaaaacca agcttgacca atcccgaccc aacccgggca tagtcggtca gtgagaacct   180

gtgatgtacc taaacaggcg agctcctggc agtcaacaga taaaaggaac aaagaccaca   240

aagcaaggag gcttgtggtg gctggccagt tgtgaacttt cattgatatg tgggttatgg   300

cctctggtaa tcgattacca agggtgggta atcgattaca aggcttataa atgaagacaa   360

gaggctaaga tggtctctgg taatcgatta ccacggggtg taatcgatta   410

<210>   449
<211>   455
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   449

tagaagaaca aaattgcctc aatcatttcc aaatatgcat gtgaattang aagcatcaac   60

aagaatcaag ccaaggctat tgtgcaagca atcaatgggg caaaacacac caaatgatta   120

tgatgatgga tggctcaaat tctcacaaag gtaaactcat cactttcaaa ttgagctttc   180

```
aaaactatca ttacatgtag aggagaatca aggatttcaa gtcacaaaat gtcaagaact    240

tttattttca aaacaattac ccatttcctg aacatatccc ataattcaaa gaaaaacatg    300

caaagtcgta catgcacaca aaattgaccc aaaatattaa actaaaaatc cgacgaaact    360

aacaatatta acaaattaac acaactaaca aattaacaaa accaaccaaa ctagcanaac    420

caaagaacac tcccccccc atacttaaac aatac                                455


<210>      450
<211>      211
<212>      DNA
<213>      Glycine max

<400>      450

ctacatgttt atgtatgagt gtgtgcatgc ttgccagcat attcatagat atctattaaa     60

aaaataaatt aaattgaaaa caaataaatt taaagcgtat tgttatatta aaacaaatat    120

gtttaaaacg catatttata ctaaaattac atgattttga atgtttatat ttatactaca    180

attatattag agcaacttaa atttgtgtat a                                    211


<210>      451
<211>      384
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      451

taatcaagat aagtatgaaa agggttnttc ataaactaag tagcacatgg attnttctca     60

naacatgttt accaaagagt ttttactctc tggtaatcga ttaccagatt attgtaatcg    120

attaccagta gcaaaatgga tttgaaaaag ttttcaaact gaatttacaa cgttccaatt    180

tatttcaaaa agctgtaatc gattacaatg ttttggtaat agattaccag tgcctttgaa    240

tgttgaaatt caaattcaaa tgtgaagagt cacatccttt cacataaaag ctttgagtaa    300

tcgattacat tgatttggta atcgattacc agtgattgtt ctaaataaa tcaaaagatg    360

taactcttca aaatgggttt tgac                                            384


<210>      452
<211>      401
<212>      DNA
<213>      Glycine max
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186

<223>   unsure at all n locations
<400>   452

tggatttcct tntagtaggg aatctatcct tcctaagatg gagccaaacc cagtcaccct   60

cattaagaac tagctctttt cttcctctat tgcctttagt tgaatacacc tttgtttggt   120

tctctatttt gttcttaacc ctctcatgca acttctttac aaattttgac ctagattccc   180

cttctttatg tataaaagaa gtgtccagtg ggaggggaat gaggtctaac agtgttaggg   240

gattgaaccc atagacaacc tcaaaagggg actgcttggt ggttctatga acccccctgt   300

tgtaggcaaa ttctacatga ggaagatact catcccaaga cttatggttg cctttcagaa   360

gagcccttat aatggtggat taaaacctat tcactacctc t   401

<210>   453
<211>   444
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   453

tcgtgcatgc ccttctccat ttcttgtatc agtgacttga gttcgtcgtt tgaacggccc   60

aacgcattgt tgttccgttt catctcttcg attttcggag ctattgcttt caggatattt   120

tggaggcaga ccaagttttg tttaaagagt gtggctctgc ttattgttcc tgaaacaacc   180

aattctacga gcatagcctc tgccatatta attcacgagc tagctagtct caataacgag   240

aagatgtata tatatagcaa ccttagactc tgcacaatat aaactcatgc atgcaaccaa   300

gatgcttctt gtatactatt gttaaaggga agtttctttg acacttcatt cccaatttca   360

tattgcttct tatantattt gctgacttgt actgggtagc gttaatatca acgggtgcaa   420

aacgtctttc ttttcttttg acct   444

<210>   454
<211>   453
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   454

tctttcctaa atcaaagtat aaatgattnt atattataag tataaaccta ttaaaaaatt   60

ccgttcaaaa taataagata attttacctg aaattttgaa ccactccact tgttttaat   120

gagccaattc caatcttctg gagatacgta ttttggtcta tcattttctt taagataagc   180

ttgatgtaaa tgataaagct tattcttgta ttgagattga attttcttca ttgcatattc   240

tctttcctcg ccagataaac taaaagcatc cttatatcaa acgttttcac cagcaaaagt   300

aaaaattaaa tactatcaag atacattatc aaaccaattt gaagatataa ctaatattca   360

aatatataaa taaattagat ataattaacc taattatata ctaacattca tatgtcgcca   420

catttcatct acaccatcct tactaatttc act   453

<210>   455
<211>   442
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   455

tgttcttagt aagatcgatc agacgatgct tttgttcctt ggagagcaac ccgtcttggc   60

cccagaaagt gttgccaatg ctctagtgga agtgatgaac gatcctttct cacacttaat   120

cgcctgttga taaaattctg caccaaatat ccaaacacca ttaaataaac taaaattcaa   180

ataattaatt gtatggatgg attagtcaaa taaaaatttc tattagccaa gatattatag   240

gaatttgtca agtctatcac gtgagcagtg ggcttagtgt tcctttcatt aggagattca   300

tgaaaattnt gtcggccaca naattgtgag acttcttaat caattaaatt aaaaaaaacc   360

tagtaaaata aaagttgacc agcatanact aatagtggga atataattag tatttgaatg   420

ccaaaatcaa ccacatattt tt   442

<210>   456
<211>   431
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   456

cgagaaagcc cttctgattc tgtttataca tttctgactc tatggcatga gatgcaatgc   60

acagattgga cctcctgtta gttgttatca agaatagct tatacacttg tgcttgagtg   120

aaacagttgc tgtgagactg tggtttgagc tactttcctt gatacctgtc ttatgattaa   180

188

```
cttcatctaa ctgtatagtt cacattttgt tctcctcttt gtctagctgc atattctggg   240

aaaacaagtg ataggtacac attgcttcat cttttacatc atgcaatcaa taaattntaa   300

tgcatacacc tttgaacata aacactgcat gttntaccac ttgaggacaa gtgagttgtt   360

ctcttttgct tgaggacaag caaaactatt aaatttgggg agtttgtagt cgatgaatac   420

gactaacttt t                                                        431


<210>      457
<211>      357
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      457

cttctcggat atctgttatt gataaacaag atcaagatga gtatagtttg aggtttatac    60

acagaatctc caagattgtt tatagtacaa gcggttagta aacacagcat atatgatacg   120

tggcaagcac atggtgagag gtgaatcggt aatcagtaat cacacagtta agtgaaatac   180

taaagtttat ggagatagtc cgaaatctta cagaaagtca aaagttctta taatagtagt   240

taaataaata aataaataaa agtagaattt gactaagaat gaaaaagtaa tattttgttc   300

aataactcat ggnggtatat atacgagtgt tctgacgcgg gaatcacaaa cagaacc      357


<210>      458
<211>      479
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      458

ctattaggac tcttgcaact cagctcgtac atatagtttc aatccgaggt ccttcaagag    60

acctagtaaa agtatcagcc tattgttcat tggaaccaac aaagtcagtc atgatttccc   120

ctgacaacac ctttactctt gcaaagtgac aatctatcta tgtgtgttta gtttgttcat   180

ggaagaccat attagatgca atgtgaagag cggtttgatt gtcacaaata agcttagtgt   240

cctgagtgcc taagtcttgt aatttcgcat gtagctgcta ccatggcaca atgttaagct   300

ttgatgctga atctagcaac tatattttgc ttcttgtttc tccatgagat caaattccct   360

caaagcaaaa cacaataacc agaggtagat ctcccgtcca tggntatcga attgaaagat   420
```

189

tcgaattgtg aatcagaaaa gctatattac gaatcgtgaa tcgaatcata tatgaatcg   479

<210>   459
<211>   456
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   459

tgtcaaataa atcactgcat attgtgcagt ccctatcatc cttcagagga atgtagaaga   60

gagtaggctt gcaaacaagg ttccaatttg gataaaagtg taaaactact tattaattag   120

aattttatga atcattgttt ggaatattga agaaaaaga caacctgaca accagctgcc   180

ctgaaggaac taaaatcatg gcatccaaca agaactctgc atgcttcctg catggatatc   240

atcaataact tgaatagctg caagattgag aatctagtaa gtataaggag ctgttaacta   300

acttgcatag ctggaagact aagctcctca ggtacatgcc atgctcgatc tttctcgaag   360

gttgacaaag gctctggccc agaaagcaac cgatagaagt atctgaatag tagttccaaa   420

taactatcaa ttactgcana tggtcataaa caaaac   456

<210>   460
<211>   470
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   460

tcagaccaaa gcaactcana atctaggtat ctaaaacccc tcaatttagt ggattttcaa   60

ggtttgagaa gtgaaaatga gaatggggta aacttggagc aaactctcat ctcaaacaag   120

tctatatcat caatctaaac tcgctcaaac tggtttttacg acgaaaactc taccgaatca   180

aaatttgact cctcaacacc caattttacc ctagaaatgg ctcttgtttt cactttggtc   240

actcatattc ctcatttgca cagtctaagc tttctcataa gtcctaaatg acatttcaaa   300

ctaggattaa ctccctttaa cctccaaata ccactaaatc cagatttggc cttccaactc   360

tcaagcctca ctcttttccc actcataaca ccacattctc actntctaac cctaggttaa   420

ctctacccctt catctctagc agttgtccat aagcaatttc agcacataaa   470

<210>   461

<211> 248
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 461

tctacttatg tggcagggcg ggcttncttt actttctgtc tcaacgcgag ctttgaacac 60

tgttcttcct tcccgcgatg cttcttttca tgtccgcctg agtgggctta tagcctaaac 120

catacttccc acgatttcct tgggtattta tcacgctagt tatgccgcca ttgtctttgc 180

ctaaacccat cccgggttca taaccgttcc ccaacataac tcgggccatc attaccgctg 240

cgtcggac 248

<210> 462
<211> 216
<212> DNA
<213> Glycine max

<400> 462

taataaaaat attatttaaa atcattaatt gagtattatg aattaatata attgttaaaa 60

aattatagag tattagaaga caacatttgt attaaaagcg actctattat attgtagata 120

aggtcaaagc tgttattgtg aggttcgtat atattgttag gaagttataa atttattacc 180

tcattaagta tatttactat gaaaaaagtg actcta 216

<210> 463
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 463

tctagccaaa tggacttacc ttgacttaat tcctttgata gcccttttga gccttgtttc 60

cctttccttg ttttgaagct cactacaagc cttaagtgaa aaaccatgat atcactatat 120

ccttaaggaa ttttggagct ttggaattgt tttgggaata agtgtggggg attttgtttc 180

attggataac atgttttgtt ggccatgctt cattatatat tttgagccat acttgataca 240

cattgcatat tggttaaatg ttggacatgc tgaatatgat gttgtttctc aaaaggctac 300

agaaaaaaaa atattataaa aaaatcgaa aaagaaaaac agtaaagttg agtgaataag 360

191

aaaagaatga tgagactctn ggttctactc tnntatgtta aaatntatct ttacttcttt 420

ttatttcttt atggtttctt aatatgcac 449

<210>   464
<211>   432
<212>   DNA
<213>   Glycine max

<400>   464

ttcaggataa ggatgaaaga aggcaagatt gcacgtgtat ttgtctgcat catatgtcat   60

agctagcgat aaatcgtaga cagtagcgat gaagcgggca atgtctgttc agaaatatgt 120

cgggttggga cagttgggtc tcatttcagg catttgtcag gctggcttgc gtctcctatt 180

ctcttcatag gaaataatta attcccaatt agcaaagaag attaattaat tgaatgcttc 240

agaaatttcc tttaatcttg agtcacagct ttattattat taattatatt atttcttctg 300

tctatatatt atatatcgct gtaacgcgta tcattcattc atcaaggaat ggtatctctc 360

actgttaata gaaaactacc aacagtacag tttcttatct aaccccttga agtgcggagt 420

acagttctta tc 432

<210>   465
<211>   442
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   465

ngaagtactc aagggatttg cattaggtag ttcgagcaat actccttgca gaatatcaga   60

tcttgctgca aattcagaaa gactgaagcg actcagcata catataggaa gtggggctgt 120

gatctaagaa ggagaggttg aaagcttgag agaactgtca tcacttgagc atctcaaaat 180

atcatggggt gtgtcagaca caaggtacgg tgatattcca atcagtttgc cttcagagtt 240

aaaaatgttg caacttgaag gctttcctgg aaagaatttt ccagaatggt tgaatattca 300

tagtaagcta tccagaaaat ttatgtcact atctacgata gggggaaaac ttgaaagtat 360

ggatattctc aaatatgttt accagtacat ggggatccta ngtttcaagc atttgattct 420

tgacacacca cnatttggaa ac 442

192

<210> 466
<211> 347
<212> DNA
<213> Glycine max

<223>   unsure at all n locations
<400>   466

```
tgcttggcaa ctggttactg ctgaatcctc ttgggctctt ttgataaggg ctagattttt    60

tagagggaac cacagagttg ctttccacgt ttcttcttct atatggtata gnttatgccc   120

cttcttagat gttataactg ataactctca atggcaaatt ggttggtaaa aacattgcgc   180

tttggactga caaatggctc tcccaacccc taagtgcatt tgttgcatat tcctgaatcc   240

tatcatacca atttaaattc cacagtggca gactatattt ataatggtgt gtagcgcatt   300

cctcaatctt tgcagcaatt atatccgact ttgatgaatg aaattca                  347
```

<210> 467
<211> 415
<212> DNA
<213> Glycine max

<223>   unsure at all n locations
<400>   467

```
ntataagcgc gggtctggga dacgaaggtc aagtggtcgc gatatacgaa gatgatgttc    60

cgagtacatt ggatttggta cgaccatgcc ctcctaattt ccagctggga aattggcgag   120

tggaggaacg ccccggcatt tacgcaacga gcataatgta aacctttacg gttttaaaag   180

ctctatagtt gggcctaggc tttagagttt ttccttttgt taaggctttg tgtcttttgt   240

tttgaattta taatacaagg atctttcttc atctgttcct acgtctctac ccattctcat   300

tcatttgcat gtttacttct ttttctgana atggcagatc cgatgacgag tcccctgaag   360

gtactaatac ctgggacccg cctatcgact tcgagcaaga aatgagtcaa acgga        415
```

<210> 468
<211> 329
<212> DNA
<213> Glycine max

<223>   unsure at all n locations
<400>   468

```
ntacagcaga atttagtaat gacccactaa cctagaatta aatataactt aatgccatta    60
```

acctagggaa ttaaaacaaa ctaaatggct gagtgtaact gaaattgttg gcaaccaaaa 120

gtcacccccca acagccaaca agtcagccac catttggtct cccaaaaggc tgatgcctag 180

gttgccaatt gggcccttat tacaacttga actaaagccc ttttagttga ttaacccaaa 240

acatattttt ggtcagccaa ctttacaagg attgggccat tatttagaca aactaaacac 300

tctaaaantg aaataaagtg gtgtcattt 329

<210>   469
<211>   359
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   469

agtcggcaca ttctggccaa ttgcatgtct cccttttccct ttccctctgc tcattcgatc 60

agctcttaaa tctaagaaca tccaagtttg aacgtgaggg gtgatcagaa ccaaaatggc 120

caatcttagt agtcctggat ttaacctctt tttggtgtct ctcttggtta cgttggtcca 180

aatccaaacc aaggtgcaat gctaccagta caaagttgga gatctagatt cctgggggat 240

ccccatttca ccaagttcac acctctacga caaatggtcc aaatatcaca acctcaggat 300

cggtgattcg cttcgtaagt cctcccttga tgtccattnn tttattgaga catgttaat 359

<210>   470
<211>   454
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   470

cttggagttt ccaagtgcca attcgtcttc ttctttagtc cagtcttctt ctggcttcaa 60

ttcatcagtg ggctttcctt ctgtgtccag catcttggga tgttcccagc ctttgatgac 120

agctttccag gttctgctat ccagtgattt gagaaaggcc accatccttg ctttccagta 180

ttcatagttg gtcccatcca gaattggtgg tctgttcact ggtccgcctt ctttctccat 240

gttcatcaga atttatctcc ctagatctca ctcagtgatt tcgagtgcct gctctgatac 300

caattgaaat tctgatactg nggacagatg tcgtacagga tgtcacgaca tcacgcttca 360

gaacatgcag attatatttg acagtgtgaa caaattaaac aagttaataa cacaagagaa 420

194

```
ttgtaaccca gttcggtgaa cctcactaca tctg                        454


<210>     471
<211>     426
<212>     DNA
<213>     Glycine max

<223>     unsure at all n locations
<400>     471

ggctntgcan aatatatact tcattcagtg gaaggatgag aaatactaac tctntattct   60

tacaagttag aacatacaag aatgcaatca gatgttcata gaaatatttg ctgtaccttc   120

tacatcctca aatacactat ctctgattca ataaaactag agaatatcat tatacccatc   180

tctgaattga taaggaaaaa ggagttaaga gcttgattaa catcggcctc atttattagc   240

aatttctcgc aatatcaagg atcacgatga aaccaaaatc gcggccacaa tttaaaacct   300

tagcacagat gaaatctcaa gtaaacacat aacaataagc aaacacctac agcatgatta   360

acatttcaac attcaaagat cctcccatca caacccacat aaaactcata cctcacanaa   420

cacatc                                                       426


<210>     472
<211>     453
<212>     DNA
<213>     Glycine max

<223>     unsure at all n locations
<400>     472

gttgaatgca ttaaaggtaa acaaaccaaa agcaagaaat tgtgtgcata tagagctaca   60

gacgtcttgg aattgagaca tacaaacatt tgtgggccat ttcatacact ttcatggaat   120

ggtcaacaat attttatatc attcatagac gattactcca gatatgcata cttgtttctt   180

atacatgaaa agtcacaatc tttggatgta ttcaaaacat ttaaagttga agttgaaaat   240

caactccaca aaagaataaa gtgtgtcaga tctaaccatg gtggtgaata ctatggcaga   300

tatgacggtt caggtgaaca acatccggng ccttttgcca ggtacctaga ggaatgtgga   360

atcgtcccac agtacaccat gtcggngtca cctagcatga atggtgtggc tgaaagatga   420

aatagaactc ttaacgatat ggtaagaagc atg                         453


<210>     473
```

195

<211>   432
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   473

ntgagcaaat tcaaacgaac aataactttt actcggatgt cagattgagt cccgtaatat   60

atcgaaaagc tcgaaattga atgttgaagc tctaagcaaa ttcaaacgac aaaaacttt   120

tactcggatg tctgattgag tcccgtaata tatcgaaaag ctcgaatgtg aatgtagaag   180

ctctgagcat attcaaacga caataacttt ttactcggat gtctgattga gtcccgtaat   240

atatcgagat gctcgaaatg gaataccgaa gctctgagca aattcaaaca ataataactt   300

tntactcgga tgtccgattg agtcccgtaa tatatctgaa cgctcganat tgaatgtcga   360

agctctgagc aaattcaaac gacaataaca ttttactcgg atgtctgatt gagtcccgta   420

tatatcttga cg   432

<210>   474
<211>   368
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   474

tccaccggtt gtgattgcga gataatattc gtggagggag aataaggaat cgtatgaaga   60

cagtacaagt ggaggtttca atctcttctc cgtctctctg acttttggga attctatcgg   120

agtagtcgga tgaataattg aaagaatttc tgggaaccgc tagagatgtt gttatcgctg   180

gctgaagaca cgtgagcccg cttagaggta agggatgagt ttatcgcaaa tgggattaga   240

atgaacatgt gtanggatcc ttagagaact aaatttgggt taatttgcga tggttattga   300

aatataattt ctctttatga ttataaatat aatattaatg gggtctatgt accaatgatg   360

ttctgatg   368

<210>   475
<211>   409
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   475

```
ntgagccaaa atcctgactc accatanacc ttgacccagg gtgagaatgt caatccttac      60

cctcggaagc gaaaagaata gaagggaaat ttccaatcaa agaaaaggaa agaaggaaga     120

tttccaatca aagagaaagc aaaaaaagaa aagaaggaaa attcccaatc aaagagtggg     180

agaaagcaaa aagaaaagaa agaaaattcc caatcaaaga atgggagaaa gtaaaaaagg     240

aagaagaaga aggaaagata gctcctgatc agggatcgaa agaaaacaga agaaatgtgc     300

agaaaggtct ttggaccgga caatatctga ataatacaga gttgtcacca aatgaacaaa     360

aagaaggaaa ggaaaccacg acctanaatg gtcttctccc tttgattac                 409
```

<210>   476
<211>   434
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   476

```
tgagtgtcca catgggtgca tgcatgatca attntgtata agtttctaaa tcatcgttgt      60

tatatacgtg tcatggaaat aatgtggggc acttcctttt atccctgaac cgctggccaa     120

agcaaatacc ctgacatacg tcatgtcttg ccttctttaa agcctctttg ggacaaaacc     180

tcaatccttc agccctaagc ctcgacccaa ggtaggaatt tttacccta  tcctcgaaaa     240

aaagaagaac aggaggatct aaaaaaaacg agaggaagaa aaagtttcat ttacttttaa     300

gttatgaatg tgccttacaa ggaaaataaa aagagaaaat ccccaatcaa agattggagg     360

atagcaaaag aaaaagaaaa agaacaattc ccgatcaaag atcggaagaa agcataagaa     420

aaatatacag aaag                                                      434
```

<210>   477
<211>   426
<212>   DNA
<213>   Glycine max

<400>   477

```
tgctcgttaa gcctgtgctt tcttcttgag tggttgcgct aagctcggct tgccgcacta      60

agcgctaatc tttctttgtc ttaaaaaatt gtggaattag cttagcgag  caggcttcct     120

aagcctattc tgcagaaaaa aagattttat gtgttcttgc gctaagagca tggctatcac     180
```

```
gcttagctta tgagtaaaat ttcataaggc gcactaagtg catctgctgc gctaagcgcc    240

caatcttaat tctagattta tttttttgctt ttctttttgga ataattcttg tctagtcttg    300

gcttttgatt cttttgtttt tcagatggct tcatgaaaga ggaagacaac agctgcagta    360

ccccaggccg gatatgacat atctagattt acatcccaag aggcatgtga ctgctacaca    420

tataat                                                                426


<210>        478
<211>        514
<212>        DNA
<213>        Glycine max

<223>        unsure at all n locations
<400>        478

atgtctctgg gcccttggac ctgtanancc tcttttgnnc ccttgaaccc ccgcggctat     60

ttaaaaaaac cccgccctga caagaaagca ctgtggagat gcttaccacc tcttatgact    120

ggaaagcggg ttctaatgac tcctctgcgg tctccacata aggcatatag gaagggcagc    180

tcaccaagat gtcttactcg cctgatacga tgaccagatg cccttncact acaaatatca    240

acttttggtg gagcggagag ggaacaacta ccactgagtg gattcacgga cgccccaaca    300

gacagctgta gaggaggtta atatccatta tttggaaagt cacttgacag gtgggagggc    360

ctattcagtc tgggagaact attctcttcc caaaccttct cggggtggtc tcctggcaca    420

acccactttt gaccatattt gtatgagaac aaagtcgctg gtcactcttt gggttaaccc    480

atgaattgat taatgattgt gaatatatcg agag                                514


<210>        479
<211>        456
<212>        DNA
<213>        Glycine max

<223>        unsure at all n locations
<400>        479

ctattacgtg acactatgaa actaagctnt aacanatgtc ttcacaaata atcatcacac     60

agcagaaacc tagcaagact acccatcata tctccccaaa ccccataccc acaaaaatta    120

aaggagaaag aagtccaccc aaacctgaat tttcgaagtc ccactcgtag ccacgcactt    180

cacgaccccg aaaatgccct cctttcgcga tttggggcag aaatgatggc caaaggttga    240
```

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agctttgctt ggagcttcaa tggagaatga agaagaagaa aatggcaacg tgagagagaa    300

agagagcttt ctgaaaagtg tggggggctga gtgaagagag agaaaagctt tttggttnta    360

aataaatggg gtntctcttt ttctattatt ntatttaagc aaatgccaca tgtctncatt    420

tgagtggagc aaaaagggcc cactttttcct tttgac                              456


<210>       480
<211>       519
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<400>       480

tcccaccgtt ttttgaagca tgctattagg acctatgaaa ctaagctgtg cttanaggaa     60

aacttanata aagataactn tcatttcaca tgttaggtgt agctggtgta ttcggcggct    120

cctgtataag gataaggggc gaaaagtaat caaatagaaa ttaaactaag aaggcaaagt    180

gtgaatgtgt taaattgtca ataatctcac ttcaaccatt caacacagat acataagatt    240

atttcagcct aatcgataat ttttaattta aatataagta tataattgta ttaaatattc    300

aaaaagaaaa ttttgttaca caatcatatt acaatcaaat aaaattgtgt ctccgggtag    360

agatacatat agtccctact caaaaaatcc catttcaaaa gtaaataagg caaattacta    420

atgttgaaaa gttttgtaat catgaaatat gtcgcttcct tactagacct gacaggtcat    480

ttaatatatt attatcaagn attgtttacg cctatgaga                           519


<210>       481
<211>       245
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<400>       481

tgagctgcan atgttgcctc accatctgtc aactgtcacc tgtacaactc tggcacgtgc     60

ccaagtgaaa tgcacatgtg ccttatctgt aactacacat ggcttcttta acgtcatcac    120

gagaaagagc atgtacgtgt agggcttccc aattaacaat ggaagatgta ggaggcatga    180

catataatcc antgtgtgat ggagggagag gggttgggaa agaaatgagg ggtggtggta    240

ggggg                                                                245
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<210> 482
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 482

ctgcccattt aagttttgcc agcgaanaaa tcgaagtggg tctgagaaga ggcaaatttg   60

attatcctgc tttgatgaat aggaagcttg gggcaaatgg agagaataag aaggagggaa   120

aatcagtcct tctcattacc caccacccta ccagccatga acgcctaatc atccacaaag   180

gccatcccca aatcagccaa aaatccaccc gatgcacatc caagaccaaa taccacccct   240

aataccaatc aaaacaccaa ctagggaagg aattttccag aaaagaagcc tgtagaattc   300

accccaattc caatgccata tgttgactta ctcccctacc tgctcgacaa tgcaatggta   360

gttataagcc caacaaaaat ttctcaacct ctgtttccca gaggatacaa ccncaacgtg   420

acatgttctt atcatggggg anngtttggg c   451

<210> 483
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 483

tctataaaag gttcgttcct aatttctcta caattgcatc acctctcaat gagctggtga   60

agaagaatgt ggcatttacc tgnggtgaaa aacaagagca agcctttgct ttgctccaag   120

aaaagcttac taaggcacct gttctagctc ttcctgattt ttctaaaact tttgataata   180

ttagggactt gtatgcttta gatgaacatt tctctcccat ttacgaaagt tgtgggaaaa   240

aggcccaaaa tggattctat ttggctaagg ggtatttgtt caaagaggga aagctttgca   300

taccccaagg atccattagg aaattacttg ttaaagatag ccatgagggt gggctcatgg   360

gccactttgg gatagacaag acgctcgtct tactcaaaga anagttttat tggccccata   420

tgaagaaaaa tgtccttaag cattgcact   449

<210> 484
<211> 405
<212> DNA

<213>   Glycine max

<223>   unsure at all n locations
<400>   484

actctcttat cgaatggtgt gccacaataa catcaacatc gatttgatga ttgcatgctc   60

cctttctga tcttataggc acgttacagg gacgaaatca ttatttaaat atttaagtgc   120

ccaaagattt tgattntaag agcaaaataa aataaaaaaa atactgaatc atgtggagtt   180

tattgaactt catatgcccg agtagagtgt catgcatgtt aatttaaact gaatcaaact   240

aaactgtacc tttcacatta gtaatgtaat tagtaagact agaagcatct taatgaggtg   300

gcagaatnta attaattatt tagaaacatc ctaatgaggt ggcagaattt aattaattat   360

ttgatttcaa tatttttcat actaatttct tctnctttat ccctt   405

<210>   485
<211>   398
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   485

tgaagagagt tcttccatgc cagcacgcgc ccaacgtgta tgtagctcgc taagcgagat   60

ggttgtctct tctgcgctaa gcgcgagatt gccgctaagc caaatctcac ttactcgcac   120

ttagcgcgag aatggcatta aacgcgcctt catggacagg aagcccttc ttaagcctga   180

cttacagaaa atgaaggga gggctggaag agagcgctga atagccgtca gagtttgaag   240

agtgaaatac acaaaggcaa ataacagagc anaggagcca agttttgatc ttttaggaag   300

atttgtgagt ctttgagtga ttgtgagatt cctagaggtg gaggagacat cctcactcct   360

tttgtagcaa gcaatntctc ttaattcctc ttctttca   398

<210>   486
<211>   382
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   486

tcattgatca attctgaagt tcacaattgt cataagttca tgaaaggagc aaaatgttgg   60

atcaagtggc ctcagaataa ttaagaaggg gggttgaatt aattattaat gagcctttac   120

taatcaaaaa cttatccttc ttaatgttac tagattcaat taggctttta ctactaagtt 180

aagaaagtaa agaacagaaa tagaaactta atcaaatgta aaagcaataa ttaaagtgca 240

cagcggaaat taaagagtat agggaagaac aagacaaacg caagaattnt atactggttc 300

ggcaaaactc atgcctacat ccaatcccca agcaacctgc ggttcttgag atttctttca 360

accttgtaaa atcctttaca ag 382

<210>   487
<211>   399
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   487

nttggtctta gaattaatca tcaaaagtct catttcattg tgtctaagaa tattccgaga 60

aggaaaactc anaaatttgc tatattttgg gtttccaata tatactcatg atattggtaa 120

atatttgggt ttacctataa ttagtggaag agttaaaaaa aaccacttct cgtttattct 180

ggataaagta aatgatcgct gagctggttg gaaatcgaag cttctcaata gacttggtcg 240

ggttacactt tgcaaatatg tcctcaattt tatccttaca tatgtcatgc aaaacatgtg 300

gctccttcaa ggcatttgtg attcccttga tattgctact agacaattca tctgcggatc 360

aacttcatct cattgggtga gttggaagac tnatcattc 399

<210>   488
<211>   396
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   488

tcttggcaat cctcattcca gcgatcagtt tggttnttgc gtaagagttt gaacaacggc 60

tcacaaatgg cggtgagctg cgatatgaat ctggcaatat aattcaagcg tcccaggaaa 120

cctcggactt gcctctctgt acggngttct ggcatctcaa ggatagcctt caccttttcg 180

gggtctacct ctatcccttt ctggcttaca acgaaaccaa gcaatttccc tgatttgacc 240

ccaaaggtac acttagcggg gttcaacctt aattgatatt tcttaagcct ttcgaacaac 300

ttccgctggt tgacaaggtg ttcttcctcg gatttagatt tagcaattat gtcgtccacg 360

202

tagacctcga tctcttgatg catcatatca tggaac   396

<210>   489
<211>   383
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   489

tcatggtgaa tcaaaggtga ttcanaggtg ttttgatgat aacaatgatg ataacaaaag   60

atgatgacaa aggtgatgac aaaaagctca aagatcaatc aagaacaatt caagagttca   120

agataagaat caagaagaat tcaagactca ataagaaagt ctagagacaa gaatcaagat   180

tcaaggttca agatctcaag aatcaagaac aagattcaag actcaagatt caagaatgaa   240

gagaagactc aatcaagata agtattaaaa agtttttcaa aactttgaat agcacatgag   300

tttttgacaa aaacttttac cagagttttt actctctggt aatcgattac catatagttg   360

taatcgatta ccagtagcaa aat   383

<210>   490
<211>   346
<212>   DNA
<213>   Glycine max

<400>   490

tctacttatg tggtagggcg ggcttccttc actttcttgt ctccaacgcg agctttgacc   60

actgttcttc cttcccgcga tgcttctttt catgtccgcc tgagtgggct tatagcctaa   120

accatacttc ccacgatttc cttgggtatt tatcaggcta gttatgccgc cgttgtcttt   180

gcctaaaccc atcccgggtt cataaccgtt ccccaacata actcgggcca tcattactgc   240

tgcaacggac agacaaggtt gcccagagag ggagtccacg gaggaaatgc tgaccacctc   300

ataagactgg aaagcgggtt ctaacgattc ttctgcggct tccaca   346

<210>   491
<211>   391
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   491

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tgaaggtaaa aggtttacac agtttcatgt taaaagttac tgacatcctg ctgctaatag     60

acattagacg tagctntact cttagtaaga atattagaac aacacagcaa acaaaacact    120

ttctatgcat tgagcaaatg tattcaaaaa ataattatgg attagaacta agttttcaca    180

aatcttaagc aagcatcagt aacatcttta cctgcagcac tagaaagaac ccaattgtca    240

tcataaggaa cttgccacac agcatagcca agtaacttat tttcccttgc ataagaaacc    300

ttcattntga caacctcaac atcatcataa cctatccaag tcgatccatt ggagaagtaa    360

ttaactacat aagtagcatt gtacttgaca t                                    391


<210>       492
<211>       454
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<400>       492

ctcagcttan atatgttttc cctcanatga nnactaattt agttntaacc catcaattaa     60

aaatttgctt tctacaaatc ctcaaattca ctttgaggca ctgaaatcaa cagtttacga    120

atttgagtga tttaaaacat aaattatgct catgtaacct ttcatgaata aagactaaat    180

tattcattca aaaagaataa atactgaaac agtatgaagt taatgaattc attgactaag    240

taaatataga aggacaaatt aaatacaaaa attatattat atgcaagtaa tcttttaatt    300

ttaatataaa attaattagc acacactatc acttttgaaa atgatatata tatatatata    360

tatatatata tatattaatt ctaacattag tattcgtata gtatacacgg attgttaata    420

ataacaagtg aacaacaata acagtaataa taaa                                 454


<210>       493
<211>       386
<212>       DNA
<213>       Glycine max

<400>       493

tgcacttcag gacgtgcaat gctggtaaag aattgtggca ctgaactact tgagttgtcc     60

tcaagggtaa ccctttgttg gtgttcatca tccatggtaa tggcctctgg taagtttgaa    120

gctgattccc ttgataatgg tgagtcagat gatgaagaat cagaaaaatg agtttcttcc    180
```

204

tcaagaatgg atgctactgt cctgtcttgc agtaattttc ttctcctttt ggctctgttc   240

cttcttaatg tagcttcaat ctccaagtcc aaaggaacta aattgcctgt gggagatcta   300

tgcatttaaa acactaacag aaacaacagt tatccagttc aagaggaaaa aaaatatgaa   360

ttaaaagcaa atattcacag ttaatc   386

<210>   494
<211>   443
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   494

tagccgaatt catattgaat tgaagttagc ttagctcaac cttggccagc ttagtggacc   60

aaatcaacct tatgcaaggg ttgggcgcta agcacttgag actcacaact tagcgcatga   120

accgagatgc gcttagcgta aggcttgcgc ttagcgaaag gactattttt cagagaaaag   180

ttttctgtta tttttcagtc cttttttccaa gaaattgaaa cctttatgtt aaacattcaa   240

agataggttg atatactcct atgtacagat ccgacagcaa gttccaaatg attaaatgca   300

tgaaaaacaa agataacaaa atttaaaact gggttgcctc ccaggaagcg cttctttaac   360

gttattagct tgacgctntt accttactgg atgatcttat gttttggttc ttactttcag   420

aacctcttga cctccttcca tta   443

<210>   495
<211>   369
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   495

nttagcttct ctaggaatct tctcaaggaa gtttctcaag gaagcttctt aatgaggtga   60

gcttagttat taggtgtgtg tagctaagtc tagcttctca aggaagcttc tcaaagaagc   120

ttctcaagga agtttcttaa ggaagcttct caaggaagtt tctcatggaa gtttctcaag   180

aaattttctc aaggatgcta cctaggctat aaataaaagc atgtgtaaca cttgttgcaa   240

ctttgatgaa tgagagtctt gtgagacaca cttcaaagtt caacttctct ccctctttta   300

caccttcaat ttcatgctcc cccctctctc tttctctctc tctttctttt tctccattga   360

205

agcttccta

<210>   496
<211>   372
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   496

nggatgaagt tcgaaatctc ttccttcttc atctctaaat ttcatccacc accacttgca   60

tcaccaagga gagctccaaa actgtgcttt cctcaagctc ttactctact ttctcttaaa   120

ctctctacta tgagtgtttt taagtgtgtt aaacccaaat aatccttgtg gtatttatag   180

ggtaaatgtg aggcataggt agtaaataag accaatgagt gttaaggatc atataggtct   240

ttaggttaca aattaattgt tcttatcttt taattntatt tttttctttt cttttattaa   300

ttagatattc tagatgcttc atgggttatt agagtagaga ttggaatgta tgtatacatg   360

attttgatga tg   372

<210>   497
<211>   387
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   497

tttcgcanag cttacggtaa aatctaggac atagccatgg caaaggtcta cacagaggcc   60

attgcctccc tcgcccagta ttatgactag ctgttgaggt gcttcacctt tggggacttc   120

cagctatcac ccatggtgga agaatttgaa gagatcctag gatgccctct atggggaagg   180

aagccatacc tcttctcagg attctatccc tctttagcta gaatttctaa gatagtccaa   240

atctcggcgt aggaattaga ccacagaaag caagtcgaaa atggggtggt tggagtaccg   300

agaaaatgtt tagaggcaaa agcaagaatc ttggcaggta gaggcaaatg ggccccgttc   360

atagacatcc tcgcactttt gatcttc   387

<210>   498
<211>   446
<212>   DNA
<213>   Glycine max

206

<223>   unsure at all n locations
<400>   498

tcagcatctt aaacagaggc taaaaatctg aagtaaagac aacatatgag acctgtgcag   60

catagtcaaa cagcttcaat agaaactaaa tgacttggag aattctatgc cagttcaacc   120

ttctgaacaa caagtgaagg acctcaagaa aacccaagct gacctttggg aaaaagctac   180

tatgcaggag tctattgtga ggcagaaatc aagatgtaga cggatcatag aggggggacag   240

caacacatcc tattttcata gagttattaa tttgaggagg aagagaaatg ctctgagggg   300

gttgcagatt ggtgacacct gtgtggaaaa tcctaacatt atanaagctg aaacctttca   360

tcattttaga acaggttcaa tgagcctcac ttgaccagac ctaacttgga tgggggtttc   420

atttaaagtc tgacttattc tcacag   446

<210>   499
<211>   402
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   499

tcaacatgaa gcaatcagct cgcctgggca agcatgttgc ttctaaacta agccaccagc   60

ttgccgggtg agctgggcgg caagatcctc ccctattttg gctataaaag ggtgtgggag   120

gctaaggggga aggggttcag caccccttggt cacttgcagc agacaaggaa agtgtcgttg   180

acactgtatg caaaaagtac gacattggca atgagaagtg ggctcaattt tgtcagaccc   240

gcagagaccc ttcgtgggag gcaacgtttt tattttcatt gttntaaact ctaaattcac   300

ttagtataat acattgtaat gataactttc aataatggtt aactttttaca ggatatgcga   360

aaaaaggcat aagccatcta aaaacaaaac actgtccctc ac   402

<210>   500
<211>   449
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   500

tgcttgtggn gcttctatgg aggctggatc tttgagcttc aatgaggtcc ttcaatggtg   60

attttcgacc atggagatgt agcagaaggc aaaggagaag aggagagagg aggcaccatc   120

207

```
cacaagggaa taagccaagg aagaaggagc ttcgccacca agatgagcat tggataagaa    180

gcttggagat gatgcttcaa tggaggaaaa gaaagaggga gagaaagaga gagtgaggag    240

cacgaaattg aaggaagaaa aagggagaga agttgaactt tgagttgtgt ttcacaagac    300

tctcatccat caaagttaca acaagtgtta cacatgtttc tatttataga ctangtagct    360

tccttgagaa gctntcttga gaaaacttcc ttgagaagct tctttgagaa aacttccttg    420

agaagctaga gcttagctac acacacccc                                      449
```

<210>   501
<211>   373
<212>   DNA
<213>   Glycine max

<400>   501

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tgagtttaac gatgacaaat attcaagaag caaacattaa gttatccgaa ccaagctatc     60

tagtattgat tgctttaggt gttctttata acatacgact aaacttataa gaatggggaa    120

gatgtggagc agtagcctat ggtagaaatt ttccagacat agattctgcg taatcaaaag    180

caaaactact agaagagag tggtcctaat ttagatggaa aggaacacac gttttatgag    240

tgaaactgaa aatataacaa gctatatatg atcagaagca tgatgttagg tatctttggt    300

aaagggacat atattagaag ctacgcatga ctaagggatc atccaaagta ttctaattca    360

aaagtcatga gaa                                                      373
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<210>   502
<211>   320
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   502

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ntngagatca aactntacca ctggtaatcg attacaggaa actggtaatc gattaccaga     60

gagtaaatac tctggtaact tagaaaaatt tggaaaaact tttcttgtaa aacaaaattg    120

tgctatgttt ggttttttgaa aaatcttttt caatacttcc cttgcgaagt cttgacttgg    180

tgcttttttgg tttcttctct tgaatcttga atcttcttga tgactttct ttaatcttga    240

tcttgaactt gttgactcaa tcatgacatt attcttttgg catttttgaa atcatcaaaa    300
```

ctacttgaat tattcttgat   320

<210>   503
<211>   430
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   503

tgggtggtaa aaananaaat ataagaaaaa ggtgtatgtg tattttggga ggagccctgc   60

cgattcctaa atcctctttt cagaggaaaa cgttaaagaa atgctactgg aataagataa 120

gataaaaaat ggagatgaga gcatgctcca ctgattagat tctgtaagcg ttagctacta 180

aacttcatca acaacatggt aagtaattat ggcaacagtg atcgaaccaa aggaatatgc 240

agacaagata gatagagaga aagggaaaaa aagtcaagtt aagtgagtgt catcgttgaa 300

aatcaatata gatgccaggg acggctctgt aaattcagta gcccacctta caaataagtg 360

ccctaattat ctgaacactc ttctcaaata atacattcac aaattaaaca gttccattag 420

taaaaatatg   430

<210>   504
<211>   463
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   504

tattggccgt tggatgaaac tccacacagt gcagttctat gttcacttgt agaggatctg   60

aatcccagtt taccagttgg ttgttgccgt taaccaacaa atcttatttt atgttctctn 120

taatatttct ttntaattga agatgcttct tttacccaca gaaattgtat atttttcatg 180

caagtataac agttaaatga atagtagtta gtttaattgt atttcgaatt ttttttttata 240

attaaattat aagtgatttt ttagtttcta tggaaaaaat taagttggtt aagtttttta 300

ttttaaaaat taactaaatt tattcattnt gtcaaattnt tacttaaaaa ttntcaaatt 360

tttaatttta tctacatatt taggagttta tgaataaatt gagttagaaa ataattntaa 420

aaattatang taactttatt agaaaaatta gtaaatatta atg   463

<210>   505

209

<211>   406
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   505

```
tcttcacctt tgctcagagc tggtaattga acttattcta aaattntgtc ccttggtcca    60

aaattatggg tgaattttca ttagattatt ttttcgcttc acataaaatg attctttgat   120

catgtgagaa gagaatgaag cctcagttag gacagttgat taaattaaga atagactaat   180

aattacaggt agaggaagac caagaaagac tttggattct gctattatta gaattggttt   240

agatttaaat ggcttctatg aaaaatgaaa aattgttttt taacagaata caatggcatt   300

gtttgattga tataggttgt agatgacctc agtgggaaaa aaaactntgg ttatcactgc   360

tatgtataaa tcattgatat tatttggtag caactcttat ggtaaa               406
```

<210>   506
<211>   460
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   506

```
tagcccctaa cgaaagatga accgtgtcaa gttgtacact atgtggagat cattgtagga    60

gtagaagggt ccgaggagtt agagttggac ctgagaacca atgacgacaa tcgggttaaa   120

ccaattgaag aaacatgtaa ctttcagctc gacattaaag aggaataggt tacttgactt   180

gggaaccaac tctcaatgga atataagaat gacttacaac aaattatctg agcacatgcc   240

gacctgtttg catggttcga ggtcaacatg ctaggcatag atccgacctt ccattgccat   300

aaattatcca taatttaaga tgccaaatta tatctcagag gaagagaaag attgngaaag   360

aaaggtgtta ggtagtgcgg caagaggttt ccaaactggt ggcctaatta tcanagaggt   420

agagtacacc acatggctat canatctatt cctagtaaaa               460
```

<210>   507
<211>   459
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   507

```
ggcagtanaa acaacatttg ttttcaattg ttatgtcaat tctctgtaat atacaaagtt   60

atcattggtt catttgatgt tggtgaattg gaagtagaat aaacacaact acagatgtta  120

ttttactttg taattatata tactagattt tcaagacatt caagctttca atgccgtcat  180

ttcctctgca cctactcctt cgatttcaca acagtgtcag tagaaatgat gctaaacccg  240

gctcgtattt cctttcctta tgatcttttg ccccaacaat ccattctcat actgagggtg  300

aaaaatatcc ttaacagcat gcccatgatt ttattttttcc tgcaagtttg tcacaacatt  360

aacaaagtag taccttatta ttcattatgg tgggcctacc taattcagta tggaatcaac  420

catagagata gatagtgaag tgggaaaaca gcaagataa                          459
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<210>   508
<211>   413
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   508

```
tgatatctcg gcccaatctt tcagttaaaa tactccaaat cattattgtt tctaccttct   60

agtatatttc ttgttggtag tgtattggaa tctgaattct cagcttcaca atgactaaac  120

ttttttcttg tattgacaga gcaatgagga tattaaccac acgcttgtct gtgccaagct  180

tgaactgata gcagcataaa tggaagccaa tgctaagata aagaaatatg aggagacagt  240

taaacacttg tataaacttt taaagaaagt ttgccaggaa agagatgaag caagagacca  300

gcttcaattg ataaggaatt tccaagcatc tactccagct gagacaagca gtactggtcc  360

acaagttgat catcatgcat gcctncaata ccaaacaaag ccatcattga ata          413
```

<210>   509
<211>   363
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   509

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tattggaatc agccaattgc tcagtgactg ttcttaattc tgtcatcttg aaggtgtata   60

gttgttgctt caagcataac cgatttgcaa gagactttgt catatacaag gattccagtt  120

tcaaccacat tgaggttggt gtcctttctc ttgcaacttc tcttatagct ttatttccaa  180
```

211

```
ggcatagtat gattgcactt ctggctctat ccatcatttc ttatttctcc tttgaactta  240

gagattcaga catcctttct tcttctttaa gagcttctac acagccatgc tgaatcaaga  300

ttgcttncat cttgatcctc cataacccga agtcattttc cctgagaact ctcatatcat  360

act                                                                363
```

<210>   510
<211>   418
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   510

```
tgattaccct ggtgacactn tacttccagg aatgaaaatt ggagtgaact tcaaaaccgg   60

tcaacatcga gctctaagat catggagatc ctttacggat cctactccag gtaattttttc  120

acttggtgtt gatactcgtg gccttcctca attagttatt acaaatgaga atactaatag  180

taatgacata gcttatagac cagggtcatg gaatggtctt agtatcacgg ngcttcctgg  240

agaaataact gaccaattaa caaaatccct ttttgttatg aatcaagatg aggtcttcta  300

tgagattcag ctcttgaata gttcaactaa actcatgaga agcagaatgc ttccagaagg  360

gtatcaagta cgttttatat ggtcagatga aaaaaaatat gggattctca aattccta    418
```

<210>   511
<211>   435
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   511

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tagaagcaaa tgctggcatg gtatcgcaga ttcgtgtagc aagaccacct gctgaaggac   60

ggngaaggaa tcaattgctt ccacgttatt ggcctaggat tactgatcaa gagttgcaac  120

aaatatcagg agagtatcca acattgtaat ctgtcctata aattattatg aatcactgac  180

aggatactta ctggttgata cacttattat tattttgata gctaatcttt accttagtat  240

ttccttaacc atgattcatg atatgttcaa gttcaaattc tacaatcgtg ccactctttg  300

aaaagatgct tagtgcaagt gatgctggtc gaattggtcg cttggtttta ccaaaagcat  360

gtgctgaagt aatttatctt aactcatctg ttgaactggc atttactgtt gtcattttat  420
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212

attaactaac aattc

<210>   512
<211>   395
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   512

tgtgaatnta tagtgtttgg tgactaattg tcacaaaaaa gcaaagtaaa gcccaaagaa   60

gcaaaattaa agatctaaaa ttactcgctc agcatttctc aggtgctcag cgcaacgcag   120

atgcttagcg gacaacgcac gcttaacgcc agaaagtatg aagacgtctg aatcatgaat   180

atgtgcttag cgcgagtcac tcgctaagcg cgagattact atcatactcg ctaagcatga   240

aattgcactt agcgtgaagg ttacgtaaaa atcaaactga actacaccta taaaagaagg   300

agagagaaaa agaaaaaaaa tacacttaaa attcaagaga atacaattcc ttacagaagg   360

caaaggtcga aagcaggaga agcaaccatt cggag   395

<210>   513
<211>   412
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   513

tggtaaagaa aatgatggca tgactttat ccaatcttat tatgttgaaa agctattgaa   60

gaagtttaat tatttgatg cgaaacatgc tcttactcct tatgactcat ccatcaagtt   120

aaagaaaaat ttgagtaaat gaatttcttt acataaatat tctcaaagta tcggttcttt   180

gttgcatttg acaaacttct ctatgcctgt ctgatattgc acatgcagtt ggtagattgg   240

aaagtaattg agggatttag tgatataaaa ttgaagttct gattntgatg aaataaaaat   300

gagaagtggt tatgtctttg ctttagctag ttgtgcagta tcatgaaaat ctactagaca   360

agttattatt tcacatgana gcaaaaatta ttgctttaaa tactgctact ag   412

<210>   514
<211>   320
<212>   DNA
<213>   Glycine max

<400>   514

cttgtgtggg acacccattg tgagtgtagt ttccaaaccc ttatagaaaa gttgacgatg   60

actcctgtgt tagttttgct taacccaaga gaaccctttg aggtgtattg tgatgcatca   120

aagatgggtt taggaggagt gttgatgcaa aatggacaag tagtggttta tgcttctaga   180

caactcaaga ctcatgagag gaattatcct acccatgatc tggagttagc tgctgtnagt   240

tttgctctta acgcgtggag gcattaccta ttcgactcca gtttgaagtg tttagcgatc   300

ataaaagcct taagtatttg   320

<210>   515
<211>   371
<212>   DNA
<213>   Glycine max

<400>   515

taggaaccca nacttgtagc ttcaatgcaa ggaaacgtgc ttatggctag gaatccaaaa   60

atttggtttt agaattagaa aagaatgaaa atagggactt gtttgtaaga atttgggctg   120

ccccatgatt ggtactttgc acctaaataa catgggaaat gattttcaat gctgtgtaga   180

tatatgtgta aatatgaagg gcatgaaatt ctttgcaaag gatgaaggaa tattgaggtc   240

acttcctaaa tgaatgtatg atagcatggg attccctttt gaatgcaagt atgtgcataa   300

tgttaaatat cttgccaata ggcataagtg tgagtgaaac aatgaaaagt tgtatggtat   360

atatatcttg a   371

<210>   516
<211>   455
<212>   DNA
<213>   Glycine max

<400>   516

tagcccccta acgaaagatg aaccgtgtca agttgtacac tatgtggaga tcattgtagg   60

agtagaaggg tccgaggagt tagagttgga cctgagaacc aatgacgaca atcgggttaa   120

accaattgaa gaaacatgta actttcagct cgacattaaa gaggaatagg ttacttgact   180

tgggaaccaa ctctcaatgg aatataagaa tgacttacaa caaattatct gagcacatgc   240

```
cgacctgttt gcatggttcg aggtcaacat gctaggcata gatccgacct tccattgcca    300

taaattatcc ataatttaag atgccaaatt atatctcaga ggaagagaaa gattgggaaa    360

gaaaggtgtt aggtagtgcg gcaagaggtt tcaaactggt ggctaattat caaagagtag    420

agtcaccaca tggtatcaat ctattctaga aaaaa                                455
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<210>   517
<211>   461
<212>   DNA
<213>   Glycine max

<400>   517

```
tgcttgtgga gcttctatgg aggctggatc tttgatcttc aatgaggtcc tttaatggtg     60

attttccacc atggagatgc agcggaagac aaaggagaag aggtaagagg cggcgccatc    120

cactatggaa taagccttgg aagaaggagc ttcaccacca agatgagcct tggataagaa    180

gcttggagag gatgcttcaa tggagagaaa gagagggggg ggagcacgaa attgaaggaa    240

gaaaaaggga gagaagttga actttgagtt gtgtctcaca agactctcat tcatcaaagt    300

tacaacaagt gttacacatg cttctattta tagactaggt agcttccttg agaagctttc    360

ttgagaaaac ttccttgaga agcttctttg agaaaacttc cttgagaagc tagagcttag    420

ctacacacac ccctctaata actaagctca ccttcttgat a                        461
```

<210>   518
<211>   460
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   518

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tggagaggat gcttcaatgg agganaagan naaaggagag aaagagagag ggggaggac      60

gaaattgaag gaagaaaaag ggagagaagt tgaactttga gttgtgtctc acaagactct    120

cattcatcaa agttacaaca agtgttacac atgcttctat ttatagacta ggtagctttc    180

ttgagaagct ttcttgagaa aacttccttg agaagcttct ttgagaaaac ttccttgaga    240

agcttctttg agaaaacttc cttgagaagc tagagcttag ctacacacac ccctctcata    300

actaagctca cctccttgag aagcttcctt aagaagattc ttaaagaagc tagagcttag    360
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215

ctacacatac ctctctaata gctaagctca cctccttgag atgagaagct agagcttagc 420

tacacacccc gtataatagc taagctcaca tgaaaataac 460

<210> 519
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 519

ntgagccaaa atcctgactc accataaacc ttgacccagg gtgagaatgt caatccttac 60

cctcggaagc aaaaaagaa tagaggggaa atttccaatc aaagaaaaag agaaggaaaa 120

tttccaatga aagcaaaaaa agaaaagaag gaaaattccc caatcaaaga gtgggagaaa 180

gcaaaaaaag aaaagaagga aaattcccca atcaaagagt gggagaaagc aaaaagaaaa 240

gaaaggaaaa ttcccaatca aagaatgaga gaaagtaaaa aaggaagaag aagaaggaaa 300

gaaagctcct gatcagggat cgaaggaaaa acagaagaaa tgtgcagaga ggtctttgga 360

ccggacaata tatgaacaat acagaattgt caccaaatga acaaa 405

<210> 520
<211> 452
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 520

acaattatct aatcattcca atccactcaa atcatacagt tgctcattca aatcattctc 60

aaacactcat ttcatacaaa acaatccact gcatatcgtt ttcaatcagt tctctgttca 120

aacaagcttt tttgtacatg caaacaactc atagtactaa aatttaaaga acggaaacat 180

aaaaactgaa atttaaatga ctgaacataa atcataaaat aattcaagta aactaaaatg 240

ttcaaaatgc acaaatttaa atgtcctgct tctgtggttg ctcttgtgca tgcttattaa 300

gatccaacac ctgagcaact ggtaaatcct gagaggtagg tttctctaac tcacatgttg 360

gtgaagatgg tatggcatca tcaggtatag gtgctgggga tggctctggg atctggtctg 420

tggaagtctn cttctcttga gccatgtgta ca 452

<210> 521

<211>   391
<212>   DNA
<213>   Glycine max

<400>   521

tcattctcta tcttgagact cttgtgttat taattactgt ataaacctta gggttttctc   60

attcctatct tctgcaaatt ctcctacaag gctagaaata tttctgagca aatataccag   120

attttgattt tgattctttt agcatgcaac tctatattaa tgctgctgca ttgtaatgat   180

cacatttgca acttactaaa atgcggcgca gcttaagcat ttgaatgctt tttgaatcac   240

tgtatttggc gtatttggtt tggccgttag ccaattcaat gcgtggatat atatcgcaca   300

cctacaccgg agatatatat cagttatggc tttgtgttca agttttctca atcttcatct   360

tctggttttt gtttggttga cgatagaagc g   391

<210>   522
<211>   418
<212>   DNA .
<213>   Glycine max

<223>   unsure at all n locations
<400>   522

tcatttgcaa ttcagtgtaa tcagtgccag ccatattcga atgaattgga tactttgaac   60

cagtttatgt acaaaagaaa aaaaaagttt aattttttatg tatcaagtat acgaaatttt   120

ataccatcaa ccaattaaaa gttatatata attggaataa ctattataat aattatcata   180

aaaatcaata aatttatcat tcatatattt caataccaat agccactata taattactgc   240

atgctcaatg agaattaaat tgacatgtac ctctgatcgt atagtgtgta tgaatctgcc   300

atctcttctg attgaagtag tgctaaccac gttaagccct tctttaagca gaatgtccaa   360

cactcttgac atgggaaaca aactttttccc anagctgtaa ctgcacataa tctcaagt   418

<210>   523
<211>   393
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   523

tcaggctgtt caattgctnt aaattgttgc atagaagggc aaaggtctgt gtggtggtcg   60

```
gcagaggagc acaaaccaca gagtctggcg acaggtgcag attttttatt catggccagt    120

tgggttacca ggttaaccaa tgcatctagt ttaccttcaa gcttcttagt ctcacctgat    180

gaattcgtgg ctacttcatg cactcctcta atgacaatag catcacttct ggcactaaat    240

gtgtgggagt ttgaagccat cttcttaatt aaatttcttg cttcagcagg ggtcatgtct    300

ccaagggctc caccactagc agcatctatc atacttctct ccatgttgct gagtccttca    360

taaaaatatt ggagaagaag ctgctttgaa atc                                 393
```

<210>   524
<211>   392
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   524

```
tctaaactnt aaacaaaaat gaagctaaac tntaaacaag aatgaagctt cgataccact     60

tgttagacaa gtggcctcag atatcttaag aagggggtt gaattaagat attacaaact     120

attttcccaa ttaaaattct actttgattt taatgcaagt tcaaagttcc cttaaagatt    180

aatttctaaa tgatgattca aaataaccaa actgaatgta aaagtaaagc aacaataaat    240

aaaagagttt aagggaagag agagtgcaaa ctcagtttta tactggttcg gccacaccct    300

tgtgcctacg tccagtcccc aagcaaccca cttgagagtt ccactaactt gcaaaaccc    360

tttacaagtt ctgaaccaca caaggacaac cc                                  392
```

<210>   525
<211>   209
<212>   DNA
<213>   Glycine max

<400>   525

```
ggagaatttg taagacttaa ttcacccctc tcttaagtta ttgaggtcac ttggcgcgca     60

cacagatcaa gaataaagct aagtcttact ctatctttgt taaaagagtc tcttagtgat    120

tggaaagaat tggcctcaca acattgttct taaattgatt ataaaaaggt tctagaatac    180

ttttaacaat ttttggataa gacattttt                                      209
```

<210>   526
<211>   431
```

<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   526

tgagcatagc agctntgtta attaccttgt gagagtgaac accaaggcca cccaaatccg   60

taggcaaaca aaccttttc caaaaaacaa taacaagttt tgatcagtta tcccttttccc   120

ctgtccagat gaagttttga atccaagagt caattatgtt caataatgta atcggccatg   180

cataaatgtg aaacgaataa agcaacaagc tctaaataac aaatttgatg agaaagctat   240

tgtgtgatca acgctcttac aaacaaaatt atccacactc acaacggatc gtgagaatac   300

aacaaagatt ataccataga aaaataataa caaataanaa tttaacatga ttcgacacat   360

cttgcctata tctacggagc tggttcaaaa atattgtttt atcatataaa taattacaag   420

aatggaattc a   431

<210>   527
<211>   330
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   527

tgttgcagac aaaaatctnt ggctagaatg ccgcanaaat ggtctacaaa acatccatcg   60

gttttcttgg cctgaacact gccgcaacta cctctcccat gttgagtatg gcaggaaccg   120

ccactccaca tcccgcttgg aaattacacc aatgactgaa gaatcaataa gtgactcatt   180

gagagatgta gaagacattt cttttagatt ctccacagaa ggagactcca agcagaatgg   240

agagatggac actgcagcaa ggcagaagca aattatggaa gcaatcatgt gcagggtctc   300

ttccactggc aagtctaatg ccagttactt   330

<210>   528
<211>   450
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   528

tatcaaacca tatacaagga tcaggatccc ttttatatct aaagtaatta tgttcccact   60

gccatcgaac aaattaaagg aatacccaag aaaaaattgt agagcttaag ttgatgttac   120

ttttcattt gataataaga tttatttgtt aaattgaata gatacttatg gttaatctaa   180

tactctttat ataacacaaa acccatcaat ttgcaggaac ttaatgttcc tgagcatgat   240

gttgagcagc tattggtgtc actgattttg gataatagaa tccaagggca tattgatcaa   300

gtgaaccggt tcttagaacg ctctgatagg tcttgccgtt atattttgat ttgttaaatt   360

aaattcgtca tattcatctt tcttttatat aaaacataat atntactaac atattcacgg   420

tccaggtcga aaggaatgaa gaagtacact   450

<210>   529
<211>   416
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   529

aggatagaca aacagcgcta gnccaatcaa ttgtggggct ccaaactcga tggtggagga   60

tgcatgaatg acaagcaatt catggggctc cggataagat ttgaaggtag aggatagatg   120

aacagcacta ggcaatcaat tcgtggggct ccagacttga tggtggatga tgcatgaatg   180

acaagaaatt catggggctt tggataatat ttgagggtgg aggatagacg aacagcgcta   240

ggcaatcaat tcgtggggct ccagactcga tggtggagga tgcatgaatg acaagcaatt   300

catggngctc cggataagat ttgttggcag gactgaatgg tccaccggtt tttttcccac   360

cctaaaggcg aacatgtttt atcaaggaan aataaatcat tcatgagagc actata   416

<210>   530
<211>   221
<212>   DNA
<213>   Glycine max

<400>   530

gcagaattta gtaatgaccc actaacctag aattaatata acttaatgcc attaacctag   60

ggaattaaaa caaacttaat ggctgagtgt aactgaaatt gtggcaacca aaagtcaccc   120

ccaacagcca acaagtcagc caccatttgg tctcccaaaa ggctgatgcc taggttgcca   180

attgggccct tattacaact cgaactaaag ccctttagt t   221

220

<210> 531
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 531

tctgaacatt agctagagcc aggtcaagag gtgagctcgg aatccctgct agaaggtact   60

gttctgatgc taanactatc tacttgctcc ttttaataat atggaagaac tttagaatct   120

agttcaatga tcggcgccat tatattgaaa aacatgaatg ctctctttct ttatctctcc   180

cttgtatata atctctaata actaatttgc caatatgtat cttgccattt attgatcttt   240

tagatttgca ttaaattggg taccacttgc gtgaaagggt atttgggtct tttgtttttg   300

ttggtatctt attgctatct aattcgatgc tctcataaag aactagtgct ccaattgcat   360

catgtctaac tgctattatt tatagccatt gcgaaacatg aatgctctct ttctttatct   420

ctcccttgta tataatctct   440

<210> 532
<211> 403
<212> DNA
<213> Glycine max

<400> 532

tagacggcaa tttcgagcgt ctccatatat tacgggactc aatcagacat ccgagtaaaa   60

agttattgtc gcttgaattg gcctacaggt tctacattca atatcgagcg tcccgatata   120

ttacgtcact gaatcggaca tccgagtaaa aagttattgt cgtttgaatt tgctctgagc   180

ttcaacattc aatttcgagc gtctcgatat attacgggac tcaatcagac atccgagtaa   240

aaagttattg tcgttggaat tggctcataa gttcaacatt caatttcgag cgtctcgata   300

tattacggga ctcaatcaga catcgcgaga aaaagttatt gtcgcttgaa ttggctaaag   360

gttcaacata taatttcgag cgtctcgata tatttcggga ctc   403

<210> 533
<211> 448
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 533

221

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tattaaggga tcatttgtcc tttggagtgt tatagctcac tttgaactgc ctaaagtgca    60

caagaagtga gatcaaaact aaatgcatga gcatgtcttc gcccagctct agcttaagcg   120

tttaagtttt gatgccaagc tagacatttc cattatgtac tcccttatat tattcttttc   180

cttatacttc ggagattcat gatcataaat gttattatct ctgccttctt gtttttggca   240

aagtattgtt caatttcctc aagaaatttc tttacatttt caccctcaca aatagagccc   300

cgaaacgctt atggaataga acacttcatg gtcataatgc acattctatt ggaacgatcc   360

aatttctcaa ttttggcctc attagaggtt ntcgaagtgg atcgttcact tactaaaaat   420

agactttcaa catcggttat taatcgat                                      448


<210>      534
<211>      398
<212>      DNA
<213>      Glycine max

<400>      534

ctgatgcaac atttggagag gttaatgaaa caacgagatg atgcacttca tgagaggttg    60

gatcaaatgg agaatataga tcataatgga gaagaaagga ggagaagagg gaataatggt   120

gttcatagac aaaaccgaat tgatggtatt aaactcaaca ttcctccctt taaaggaaag   180

aatgatccgg aggcctactt gtagtgggag atgaaaatag agcatgtttt ctcatgcaac   240

aactatgagg aggaccaaaa ggtgaagctt gtcgccgcgg agttttccga ctatgctctt   300

gtgtggtgaa acaagctaca aaaggagaga gcaagaaatg aagagccaat ggttgataca   360

tgggcggaga tgaaaaggat catgaggaag cggtatgt                           398


<210>      535
<211>      405
<212>      DNA
<213>      Glycine max

<400>      535

tcgtatggtc tgaaacaggt aaaagggcat ggtataagga aattgacagt tattttctaa    60

aaagaaggtt ttaagaagag tgaaaatgaa gtcactttat atgtgaagtg ataaaaaaat   120

gaagtgcaac tcattgtttc cttatatgtt gatgatttat tttttatata tagggaatca   180

aattccttaa accaattcaa gaatagtgga accttggaga atctttatga tagatacaat   240
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taatgtataa gaaaatgatg gagagctacc atgtcgaaga tcaatacaat aaatataaac   300

aacatttgac agcttctaga aagagaaaac aatcaaaagg caattggtgt aagtgggtta   360

caaaaccaaa gtaattctaa tggttcgcga acaactcact agatg   405

<210>   536
<211>   405
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
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tcggctntca atgtcgagca tctcgatata ttacgggact caatcaaaca tccgagtaaa   60

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attacgagac tcaatcggac atctgagtta aaagctattg ctctttgtat ttgctacgag   180

cttccgattt caattacgag cgtctcgata cattatgggt ctcaatcgga catccgacta   240

aaaagttatt gtcgttagaa tttactcata gcctttattt taaattntca acgtgtcgat   300

atattacggg actcaatcgg acatccgagt aaaaagttat tatcatttga atttgctcag   360

agcttctgtt ttcaatttgg agtggtgtcg ataaatgtgg gactc   405

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<211>   452
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   537

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caccccattt ttagggcttg ctttgccacc acagagagca acattctccc aagccccttc   180

gtcttataac actccctcaa gaacaagttc tccatgtaaa accctcgctt ctctagaacg   240

agagagaagt tcggaaaaaa caagacaaac ccaacaatgg aaacaccttt gagggttntt   300

aaattgtagt ttctcgagat aactattact taatgggaat aataaatgaa taattaataa   360

ttatggacta aattataatt gggttaaatt ggaagcagtt ttagagaaaa ctattatttg   420

attggagtag tnggtataag ggtcaatact ca   452

<210>   538
<211>   390
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   538

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ctccaacagg aacctagaga tacaagtggg acaattagcc aaacaaatgg ctgaaagacc   120

cactggcaac tttagagcca acacagagaa gaatccgaag aaggaatgta gggcggtgtt   180

gacacgaagc caaatgagag tgcaaggaga agcagagaaa gctgaaggag accagtctga   240

ggaaggaagg gcagacaaag aagaagagaa ggaggaagaa gagaagaatg tcttaatctc   300

tatgaccaan atccagctag cccaagaggc tagaaagaag aaccaccagc cccttctaag   360

gagcctncat atcctttagt actatcgaag   390

<210>   539
<211>   334
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   539

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gtttggattg caattgttga agatctgatc ttatggaaat tgttgaagag attgtctgag   120

gcggatgaat ttttcgatga ccgtgatttt cttgattaat ggcactgtaa ggtctatgtc   180

ttaatagtga cagctttatt ttattntatt taaaaaaatt gtgcatcaat gtctcattga   240

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ttgcataaaa tgttagcata tataactatt atgt   334

<210>   540
<211>   321
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   540

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tagagaaata ttggtaggtc aatcccgtcc ttgatgattt gcggctgttt tattcctctc   120

gtttcaggaa aaactaaact atntatatgg gtcttttct tttccctctt ttattgcatg   180

gtttgttaat ggatgtacac caaagatagg gaaacaagtc taaagagagt cattgaaaag   240

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gagcatgttg aggtcaatgg t   321

<210>   541
<211>   213
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   541

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tcgtctggta atcatgacac ttgttggtcc aacaaaaatc atttactggt gcaacataca   120

tgattgtcat aattgacaac acataatgac atgcatgcgt attanagttt gagcgcgaca   180

cacattgact gacttgacta cacattctga gtg   213

<210>   542
<211>   394
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   542

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ccctaccctc ggaagcaaaa aaagaataga ggggaaattt ccaatcaaag aaaaagagaa   120

tgaaaatttc caatgaaagc aaaaaagaaa tgaaggaaaa ttcctcaatc aaagagtggg   180

agaaagcaaa aaaaaggaaa agaaggaaaa ttccccaatc aaagagtggg agaaagcaaa   240

aagaacagaa aggaatattc ccaatcaaag aatgggagac agtataaaaa ggaagaagaa   300

gaaggaaaga atgctcctga tcaaggatcg aaagaaacca gaagaaatgt gcagagaggt   360

ctttggacca tacaatatct gaacagtaca gaat   394

<210>   543

<211>   500
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   543

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tgtgcttgan cgactacaca ttgtcaagat gttgcctgag caagatgaaa gccttggaag   120

aacgaagtgt gcctctgtcg ttgtggatga tatcttcaga gatacctgag tgaactgtgt   180

ctgaggatat cagacacctt tggactttca aggagttgag tcttatacta tgnatatgca   240

tatacgtgag aatgaagaca agcatgagtg accatggctg agagtgtgag aacagaccgg   300

ttactgcatt gtgatcatgt gaaagcatga ctcatgagtg ttatgcatac aatacaccac   360

atcatagagg catatctgat atgaaacaca tgactatgca tgatgctgct acggtgatgc   420

ttcatgccaa acacattcgt atatctctcg gtgaagcatg acacagcgtg gtcatcgaca   480

cagagctcac tgtgagaggg   500

<210>   544
<211>   375
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   544

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tgggcgagct actgtgcaac ctctacccct catttcctat aaataggcat gaggggggct   120

gaaggaacgg tccaacattt gaaatcaaga ggattagaga gaaatttgcg agaagatgga   180

gaaaaaaga agaaagataa aggttgagac gctttcgtaa cgtttctgtg atcgattccg   240

agatcatttt tcatcgttct tcgacgggat agtttctatt attgaagcta tgaattcatt   300

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tagngatctt tcttt   375

<210>   545
<211>   276
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   545

acaacatcct anatagatta tattatattg tagcananat taanaatann tttaaattta   60

agagagctng ataatataaa aataaataag aaaaagaaaa aatagaaatc ttactaatac 120

taacagtctc tcaataaata ttctacaaaa attcttgaag atcttcctaa acatttggaa 180

agtcttgcaa aaacacaatt ttntntaaaa ataaagtaca nnatttggaa nacaagatca 240

ctaagaattt ggaacttctt aagtccaaag atcgac   276

<210>   546
<211>   428
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   546

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ctaagtcact ggcatctaga agtcctaatt ctctcgtaat ggtgtagaac gaatctttgt 120

gtagtggttc tgtgaagata tttgcgagtt ganttttggt atctacaaat tctagaacac 180

agtcaccttt taggacatga tctctaagaa gatgatgcct aatttctatg tgctcggttc 240

tagagtggaa aactaggttc ttagatatat ttatggcgct tgtgttgtca cattntatgg 300

ngatgtggtc taatacaatc ctataatcag atagttgtta tttcatccac agaatctgtg 360

cacaacaact accagcagag atgtattctg cttcggttgt ggataatgct acaataattt 420

tgcttctt   428

<210>   547
<211>   298
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   547

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acctttgttt ggttctctta ttggttctta accctctcat gcaacttctt tacaaactct 120

gacctagatt ccccttcttt atgtataaaa gaagtgacta gtgtgaggtg aatgaggtct 180

aacggtgtta ggggatngaa cccatagaca acctcaaaag gggactgctt ggtggttcta 240

tgaaccacccc tgttgtaggc aaattctaca tgaggaagat actcatccca agacttat   298

<210>   548
<211>   376
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   548

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acatgttgaa cactntagct ggaaaacact tctttgtgag acagagcaag tctatgcaac   120

aaagttcttc ttttgatggt gattgaggaa tattagagct tggcttcatt tattcttcat   180

aagacttggc agatcctact cgaatgtctc tacaaaatag atgttagaca caggattaaa   240

tgaagtctta aatgtcaact ttaatatcga atcagatcat gattccatct tgcaatcgtg   300

cgaaatatca gacgtagact ctgcgaaaca tgatntgata acgcatatga tgcaatcctc   360

ctaaagatgg acccat   376

<210>   549
<211>   273
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   549

ctgatcaaca catgcacagt ggccaaggat gcatgggaga atcctgaaac cactcatgaa   60

ggaacctcca aagtgaagat gtccagaatg caactattgg ctacaaaatt cgaanatctg   120

aagatgaagg aggaagagtg tattcatgac ttccacatga acattcttga aattgccaat   180

gcttgcactg ccttgtgaga aaggatgaca gactgaaagc tggtgagaaa gatcctcaga   240

tctttgccta agagaattga catganagtc act   273

<210>   550
<211>   339
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   550

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aaccctcttt gcaccattta agtattgatt aatcttaatt gtcaaattaa ttaagcaatt     120

ntattatttg ggcccattca gctcaatttg atgttttaat ctaatttcac gaattaatga     180

agcattgcgc ttgaatccag aaatgggctt ggacttgaag agggcagact attntattct     240

acaaaattnt atcttatcta gactnatct tatctagata tttattagaa ttgatctcat      300

ctagatacta tttcatctag atcttatctt atcttatct                            339


<210>     551
<211>     322
<212>     DNA
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<400>     551

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tgagcgggct gcgcactgag cagacagttc tcactaatcc tgatgtaaaa ccttaccttt     180

tatattggtc tatatctacg tctttttatt tgtatccctc ttttatatct gcgatcatag     240

aaagagaact gtattttaaa ataacataat aatgctaaaa atactttaag gtagtttata     300

taagaaaact atattacatt at                                              322


<210>     552
<211>     286
<212>     DNA
<213>     Glycine max

<223>     unsure at all n locations
<400>     552

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tgtatgtata catgattntg atgatgtcaa aagaagaatc aaacaaggct catttgattc     120

aagattaata caagattgtt tcaacaaata aagccttgat tcaagatttc ttcaagatca     180

agccttgcct canaatgaaa ggtttcaagt catccaaggc acatgtaatc gattaccatt     240

acatgtaatt gattaccaag gcacatgtaa tcattaccaa tacatg                    286


<210>     553
<211>     369
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229

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tntcctttga ctttataatg gttctcttgt accgactaaa tttcctcatt tatgagggaa   120

gaatgcgtct gttttatgta ctggttagat gagttcgtgc caagcttgaa tgaattctta   180

agagggtgtg ttttcaaagn ttatacttta ctctgtatcc tcttggtaat ttcagggttc   240

aagtgccatc ttcagcgctg atcttttgg tgactcaaga gancacaaca tcgatcttac    300

tgctggngac cttatcaatc gattatcttt ccaggtattc tttaccttt actcgaattg    360

ggaaattca                                                           369
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aggggnnnnn nnannnccgc tgtcatgtnt tccatttatt tttcanctcg gnancancca    60

agacnnaagc nanatcctca gatggctcnt gtaggactag acttatacca acctacacca   120

tgggcacaac atgttgcaat cgaaaactga gtccgcacac ccctaactta agactaagtg   180

gcagtgatgc ttcatgcaag tgctggggca acagtacatt taccaatgct aaagtgacgt   240

aactaggcac acaaatggat gatcataccg agagcataca aacattaaga actgaattaa   300

gcattgaaca caggaaacac agtcaactag atgtacaagt aatgacatta gactatctac   360

agaaatcccc agcaagggtg ttcagccagc cattacagaa aagctctaac agtgatgaga   420

ttacaaaacc taggcctntt tgcgaaagat gctccacttg ctgcctctag agcggtattt   480

cgagataaga gtagggcgcg ctcttgaatc attgcaaagc atctcn                  526
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agcttttact cactgttttc atcagatatc atttcccttc acgagataat cgcccctttt   60

cagatttctt ataatgtcgc aagaatcagc agctccgaat tctgtatttc gattctactc   120

ttgaagtagt attgacacat gccctttcgt gacaatttta ctgctatcgc cattcttatg   180

ctcccataat atgaggctat actatgctta tcttaactcc gaacagtgtt gcgttatatt   240

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cataagcacc attcgaatag   320

<210>   556
<211>   330
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   556

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catatggaga acatctngta nagcccctgc acatagacca ataaccatc accaaactat   120

ataattatgg tggaagtgtg gaacaacata aagatggcaa gttattaaaa tccataaagc   180

cttatatctt agcagaaaaa ctcagaaatt agttaagcaa acatgttcca catatatttt   240

gattctatgg tttattaaat aacagaagtg gagttnctct tcatgcacag tacacacttc   300

aattatgaga cagatgttaa gtaatttaag   330

<210>   557
<211>   303
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   557

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catacggcgg gttttggagg ttcacgtgat atacctctt cttattccca aatgagagga   120

ggccttactt aaaaccttcc cagcttccct tccattgcta tctcatccat ccaaacatat   180

ctagctcaat gagaagggat ccaggctttc attaactatc tagctgttat acaattgtta   240

tatgtttcaa tgttttttgt gtatttcttt ccattntctt gcccncaact ccacatgttt   300

ctc   303

231

<210> 558
<211> 213
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 558

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ttaaaaagca tttaacaatg aggaanaaaa tgtcatatac caaacaagaa gaatagccac 120

aagagaataa caataaaata gtatttattt tctaaatcta cctncttatt acctaattag 180

ctcaatctcg caaaattgaa aatgcacaat tga 213

<210> 559
<211> 311
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 559

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ttagcgagac aacactntnt gaaccttcat aattntctcc tttttacttg aanatgaagt 120

gaaatttaca ttaaattgaa taggaaggct tctagtgagc acaaatgata actaaactag 180

aaatatttac aatcctacca aaaaataacc ataaattggg agaattatnt acattntgga 240

cactnttcta tacaaaaatt agtcgtaaaa gacgactaac acatagtcat atatgttggt 300

atgtaagtag t 311

<210> 560
<211> 375
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 560

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atatattatt tgtataactt aatanaaaat ttatataatt taagaaataa attgtataat 120

taacataaac atatttgata aataaatata tcataataac tctcaatatt tgtcttacga 180

232

gaaatataaa catacattca ctttctcttt catctcattg tgcaaacatc tctctattta 240

tttttcatta gactacttat actctattac ttatttaata ttgagaatta atgtgcgaat 300

aactcatgag aattctatat aaatatactt tatactatga aaatatattt caaatactta 360

ccggcttgga aatga 375

<210>   561
<211>   335
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   561

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ttgcagaatc atcatgatga agatactata ttcngcacgt tatcgttgat attttggacc 120

cttaccttga ttgcattgct taaatatgta ttcatactat tgtgtgctga tgacaacggt 180

gaacgtatgc tgctgataac tttattctct tagataattg ttcttataca taggttacga 240

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tcgctgctgt ggatgcatgc cacgcttaaa ttact 335

<210>   562
<211>   298
<212>   DNA
<213>   Glycine max

<400>   562

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ggatagaata agaatgaagg aagaacccgt gctattgact gtttgtccta catggacaaa 120

tttatcgcct acttaactat gtcaacactc aaccaatatt gattcttctc attgcccacc 180

accctaccag tcaagaacac ccaatcatcc acaagggcca cccctaaatc agccgcacag 240

ccctgctgtc ggacatacga tatcaaacac cactcttaac acataccatt acactaac 298

<210>   563
<211>   270
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations

<400>   563

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cagtctctga attgagcaga cctaaaccct aaacatctaa cttccaactc tggaagccca   180

agaacaaact tcccaaagat caaatcccaa acccaacctc agaacccaga aacgtatatc   240

tagctacatc atagacaaac agatgacagc   270

<210>   564
<211>   339
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   564

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ganagtaaag gtgagggtca ccaccgatat ttatgtttga attggataaa gtcattaact   120

ggtgtattgg actaaaatac tattaatata ttttgacata acaagttgta cacatgctac   180

aagattatgg cagaaattat cctgatagat tttttaaaga tttatgatag atttatagtt   240

cattatattt aatggattat atgtgagaat caaaacattc gaagtattcc tatgaatctg   300

cacgatctga aagagtttta ttaattctct tttaacaaa   339

<210>   565
<211>   515
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   565

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gctangacta tatatatgca tttttgtgta tgaaaacaag ttatcagatg aagctaggag   120

taggtggagg ggggtttaac tagtaattac cgctcttatt cacaattaat tagccttata   180

tattttttcg ggggacggtt ggtgctggtt cgaatcgaat gaaatctctc ttctgtagtt   240

tgccaaaaat agtttcttga gatcactttt atatttttta tttgtaattt cattcttggt   300

gaaccgtgaa ctacatcacc atcttctatg aataaattac ctctaatttta tgggcttatt   360

234

ttctctctgt ctataaaaga ttaattatga ttcttaataa aataaatatt tttcttaaag   420

aaataaccac tataacatta ttagatcctt taagaatgtg aagagacttt ataacttagg   480

cgtatcttag agtgcattat ggaatttatc caaag   515

<210>   566
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<212>   DNA
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<400>   566

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ggtacctgga gatatgtcgc ggaggtcacg agaccttgtc gacgtcaggt ggtgtgctat   120

tgcccaaaac caagcttgac cacatcccga cccaacccgg gcatagtggg acagtgagaa   180

cctgtgatgt acctaagcag gcgagc   206

<210>   567
<211>   314
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   567

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anatcccaag aattctttca naatgaactc ctaaataatt atgcannata aacttactga   120

atagaagcaa taagcaataa ccaataaaag agtttaaggg aataaagaat gcanactcag   180

aattatactg gttcgcccac atccttgtgc ctaagtccag tccccaagca acccgcttga   240

gagtncacta tcttgcnaaa gcccttacag tctgaacaca caggacaccc ttctttggtc   300

agattgttac acaa   314

<210>   568
<211>   340
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   568

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ttgaaacagg ttnttatcca ttgcttcttt cnaccagcgc gttggtcctt ccacaagaat   120

gttaaacagg aacggngata gagggtctcc ttgtcttaag cctctntggn gaataaactc   180

aggtgtagga cttccgttaa ccaatatgga tatggaagca gactttatgc agccttcaat   240

ccaagttacc cacctgtcac anaaacccat cctcttcaac aaatatagta caaactccca   300

agatactgaa tcatangcca ttntataatc tactttgata   340

<210>   569
<211>   240
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   569

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aacatggaat tcaccacaat tcttattccc caagaacacc tcaacagaat ggtgttgtgg   120

aaaggaaaaa tatatcccta taagaaggtg caagaaccct tctaaatgaa acaaggttac   180

cgaagtactt ttgggcagat gttgtacata ctatntatta caccttgaac agagtactta   240

<210>   570
<211>   351
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   570

tgcacaagac tctttaatat tgaagagtat ccttgtggaa ccttcttccg acgaagacac   60

tgacaaaaac ttatcttctc cttcttggac aaggtatgtg caggctgggg caagtaaatt   120

ttcttcccat cagaccttgg atgcaattgt gatcgtatac ccatatcagc tagatcttga   180

tgggtattca agccatcctt cgtcttgcct tgaatgttaa ggagcgtncc aatcacattg   240

tcacaaacat ntttcttcac atgcataaca tcaatacaat gtctaacgtc aagatcacac   300

cagtacagaa gatcaaagaa natagacctc ttcttcatat gcaactctga c   351

<210>   571
<211>   421
<212>   DNA
<213>   Glycine max

agctntgaat tctagtaaaa aaaaactcct catacatatt ctaatactca tgcatctttt   60

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agcttctaca aactacccac acactcacaa tgtgcacaat ttgtttcgca agctaaattc   180

cacaaaatca tccgcaaatg ccattgaggc atttcaccga acacttggtg ggcatatgtt   240

taagcatgaa aatcaaggga atgagggcaa tgtggcttgc cccattatct cagaatgcac   300

cctatgccta aggccatacn ctacaacccc acaattcaac aaaaacaagc aaattcaagg   360

atacatccct tcacgtttga gcaaatatat gcaacttaga gcaccaaaat atatcaatgg   420

a   421

atatcagtat aactctgata tggcttacga ccggactcag ctgcagaaca tggttaaaaa   60

ggatagcgag tcctttaaag agtacgctca gctgtggagg gacctggcag cgcacgtagc   120

ccctcccatg gtcgaaaggg aaatgattac catgatggta gacaccttgc cagtggttta   180

ctatgagaaa ttagtangct acatgccctt cagcttcgca gacttggtat tc   232

atctagaggt atacctagga tctctatcag acactatgct agatggcaca ccatgtaata   60

tgacaatctc actaatatac agacaggtca actnttccaa ggaagatatg atattaatgg   120

gaataaagtg agcagacttg gtcagcctgt caacaataac ccacatagaa tcaaaacctc   180

ttggggttct aggtagtcct acgacaaaat ccatagaaat atatgtccat tgtcactggg   240

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aacatgcata cacaaac   317

<210>   574
<211>   180
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   574

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ccaaaaaaat tattaaacta aaataggtgt taatttaaaa ntgggctttc tgccttaaat   120

aagctggacc ggccctggaa tgaaataatg ggaaataaag aaatttggtg aaaagtattc   180

<210>   575
<211>   380
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   575

gctgccactc aagagacatc tcacctatat ctnntattaa aactatcatg tacatctgtc   60

cattattcan aaataacacc atctaagcaa acttaactga gtagagacta gtactctcct   120

tcttccatac caatatgtcc tcctcaatca gaatcaaatt aatacttcta aagtcatgac   180

cttntatcta agtaaattat tatatntatt tctcctaatg atatagagat ttctncattc   240

ccatcaccac aatcaatntc cctccctccg gtcacctaaa ctttgacacc ctggctttat   300

ggctactaca anggtgtata atctagtata cttcctatat gtgaaaataa aaccacttca   360

cccgaacgtc ttgagaaaat   380

<210>   576
<211>   147
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   576

tcaagcttct tctggacctt gaacaagcaa tcaactttct ctgtcacaac catgctatgt   60

gctcgcgact ggtccctttc ttcccttcgc aacttgagct cactattgct accccataga   120

gctncgagaa atttgttccg gccatac   147

<210>   577
<211>   324
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   577

caccggtcac gtgtctacta tcattgttat aatctctntc tctggtttgg gggtgctact   60

tgagttgcca agcctctcca tctttgngcg tgttctttga aagatccgtc cncccctattg 120

cacacgttct gtagttgcat cctatccgaa gacattatac tgacactgcc taacgaaggc 180

caccactagg tccttccaag aatggactcg ggaaggttcc aagttagtgt accaggtaac 240

agctacccag taagactttc tcaggagaaa tgtatcagca gtttctcatc ttttgcgtat 300

gcacgcatct tccgacagta catc   324

<210>   578
<211>   215
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   578

gatccanaat cctgactcac catanactct tgacccaggg tgagaatgtc aatccttatc   60

ctcggaagca aaaaagaaaa gaaggaaatt tccaatcaaa gagaaagcag agaaaaaaaa 120

aaaagagaag ataggatatt cccaatcaaa gagtgggaga aagaaaataa aaggagacga 180

aagaattttc ccaatcaaag aatgcgagaa agtat   215

<210>   579
<211>   270
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   579

ccaaaactca ttccgtagat ccctcttgta agactaagtt tcaatcttgc ttcaatcaag   60

ttctaaggca acagtacatt tcccaatgct aaagtcacct aactatgcac acaaatggat 120

gattagacca aaagcataca aacattaagc attgaacaca aaaaacataa tgaattagat 180

attaagtatt tacatcagtt gctcattaga aatccncaac tagggtgtnt agccagccat   240

tacagaagag accctaacaa taataagctt   270

<210>   580
<211>   440
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   580

gatgcaagct tgcctctaca gaggcatata tacgaanaat aatccacaca cacttgtaca   60

aataaaaaga ataataaatc cacagcaaca accttatctc tgtagccgtc aacaccaatg   120

ggcgaggtct gtataaccat tctctnttcc ttttcttttc ttcaattacc atcaatgtat   180

cattccgggt tctgattttt ttttgtgtta taaatacgaa gagaaaaaac tagaggaaaa   240

caaagtggaa gagaaaaaag cacaggaaga agaaagaaa gaagaagaga caaaacagag   300

gaatcaaaag atggcaagaa atccaacgag gaatctgcgc caccagaaat cgtgcaaggc   360

acaaccttca caatgcatga acactttaag cacgatttct gacatctttt ttaagntaag   420

gactaaattt gcacacttat   440

<210>   581
<211>   368
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   581

gagggagaga cagagagagg ttgtagcacg atatttaatg aagannaagg gagagaagtt   60

gaactttgag ttgtgtctca caagactctc attcatcaga gttacaacaa gtgttacata   120

tgcttctata tatagactat gtagcttcct tgagaagctc tcttgagaaa acttccttga   180

gaagcttcct tgagaaaact tccttgagaa gctagagctt agctacacac acccctctca   240

taactaagct cacctccttg agaagcttcc ttaagaagat tcctagagaa gctagagctt   300

aactacacat acctttctaa tagctaagct caccttcttg agatgagacg ctagaactta   360

gctacaca   368

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<210>      582
<211>      307
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      582

gtcgcaacgt gcccttcgcg ggcgagcgat ggcgaggctc acgggtgcgc tttccaaagg    60

aggaaagatg cgcggagtcg ccaccaacgt ttatttgtgg aaaacgtctg ataaaaccga   120

aggaaactgg tcaaaaggaa aattctaagt tcgggagttg tatttacgct tgaggaaggt   180

attagcacct cacacgtttg tcccatagga caacagtcta tttttttagaa ttgcggaatt   240

gtgttatctt aacctttagt tcttttttatc ttttgaggtc aacanaagcg gggctttttgc   300

tcctaca                                                              307


<210>      583
<211>      361
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      583

tgccggtaaa tgtcgccaag gtagatataa ttagaagccc tcgctggtga attagtgaac    60

ccagaatcat aagagaatat gaagatggag gaagccgcag gcagtggcaa cagtgacggt   120

ggcaacaaat ggtggtggng agtggccagc gctgctcana tgggaatgng aattcgtacc   180

ttcgccaaag ggcacggagg cgattcgcgc ctcatgcctt tcanagcctt cgttgtagct   240

tccctcttcg tcagcagcgc cgccttcgcc ttcgttctac tcctccaagc taacggcatc   300

cacagggtac tactgctctc atcttcattc ccatttctgg tttctaactc tctntatgtc   360

t                                                                    361


<210>      584
<211>      201
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      584

catcatcatt gtaactatag ctatccatta taaaatagct tagacaatct aggtctgctg    60
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cttctaaacc ttntatttat ccttgaagca gctcaatgtt ttttatttcg cgtcaactag   120

tgaagagtga acactgaagc tgttctgcag actcattgat tttccttcat tgcgacagaa   180

cctaaccata ccctgccctg a   201

<210>   585
<211>   198
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   585

acacacccct ttatactaaa tgcanccccc ttttctattt tgtttgaaat tctttntccg   60

taacgttacg aaactttacg aatctcgtaa cgatacttat tntccttccg cacggttacg   120

aatccttacg gattatgtat ttactctnnt ttggctttca aagaagttac ggacactcac   180

ggattgcgca aaaacacc   198

<210>   586
<211>   399
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   586

agcttggttn tggtcaatag caccccacct gacttccnca aggtctactg atcctcgcaa   60

catatctcca ggtaccactc tgtggtcaac aaataatagt aggaagattg actcttccat   120

gctttctcac atcaagctta ttggattatg gcgcacccgt catatgtggt actaggtggc   180

aatcgggcga tggcacaaat caactatcac atttccacaa gccaggcata agcacaccat   240

ccncagctgc ccacctttaa atttagctca cgtgcatgta cgtagccttc tcctcgttcc   300

tctcagcacc gggtccccat caaccccctc aagctntcac aatatccaat caattcaatc   360

ccatttgtca tgaaactacc ttaaacaaag aanaacaga   399

<210>   587
<211>   314
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   587

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gcttgaatcg atacacacat actgtaatcg attaccagag cagtatttca gattatattc    60

tcatcagtca canntctttt attggttctt gaatggccat canaggctta tatatatgtg   120

acttgagaca ncgaattgct aagagattnt cagaacanna aggtcttatc ctcttanaaa   180

gcanaatcgt ttcatcctct taanaattcc ttggccaaaa cacttgtgat tcaataagga   240

attagttgag tgctcaaatt gttcaatcta tctcttacaa gagagaatac ttcttctctt   300

cttctntatt ctga                                                      314


<210>      588
<211>      383
<212>      DNA
<213>      Glycine max

<400>      588

tgagagcgcg atcttatact gtgagagaac gactagctgc gagtaataat ctttgcatca    60

atctctgaat tctagaatga aatgtataaa tgaggacatg atgaatgcta tgattgcaca   120

tacacaaggc ttttgaccaa aaagcttacc ttgaatgata attatatcct tcgcacccett 180

tatgagctga atgatattgt caaagatttg aaccctgaac ttaaataata acctccagat   240

accttgttag attctaggag agcatatggc tcaaggcaaa ttaccgcaaa tttgcggagt   300

ggaactaatg ggatgcaaga aagaaataaa catcggcaca acaacacata tgttgtgtat   360

aacaataaag gagaatgaaa agt                                            383


<210>      589
<211>      425
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      589

gctctcttag tggtgcttct tgcaagcnnc cttgttactt gtattgattg ttattntcct    60

gtgttgtcaa agccattcaa tttaacatat agttgagaaa ttgatcatca aatgtatgtg   120

catganaaat atatatgttg agagatattg gcctttttcat gattagttnt ttaatccctc   180

ccagaagcta ccatggccac ccataatana tgccattcta aatttttgag tttcttacaa   240

attaagtatg gacaatggac ctaagtgaat ggatttgacc tacgatagtt gatatattct   300
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tgatagttaa tatctgaaca ctcacttatt ntatacactn catcaataat cattttttct   360

ctttctatca tatcatctat cttatanntt tttttctttt tgggtcattc tctctggctc   420

tatct                                                               425


<210>       590
<211>       318
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<400>       590

agcttgtagg attatggtgt acccatcaca tgttgtacta ggtggtggtc gggcgatgga    60

gcacaaaaca ttttccacat ccacaatgcg cgcataaacc caccatccnc tgttgcccac   120

ctccaactga gctcacgtac tcccacgtag cccatatcct cgtttctctc aacaccgggt   180

ccccatcaat cctcccaagc ttccacaaca tccaagcaaa acaacattcc aacagcacaa   240

gctatcacag ccaagcataa cagagcagag gcagaaaact ctgctcaaca catcaaccaa   300

aattacagct tttctcac                                                 318


<210>       591
<211>       357
<212>       DNA
<213>       Glycine max

<400>       591

catgcatgct tacattccct ttagcattca ttattgaatc atttcagcct ttgctttcgt    60

gtagcttagg aaaaacgcca tgtattctcc tttctttctt ccaaagccat ttctaacatg   120

ccaagcactt tctccatcac ccacatccac cattagccac cacaaaccat cgttgctctc   180

cggtgaaacc ccacaccgat aggaaccctt caaccaaagt ggaatcttac aacttggctt   240

gcgggtttgg tagagaacga aaccctaatc tgaccttttg tttttatcga gaggattgcg   300

ttgaattgat gagcaacgac gaataagaat cttcaagtga cgcgacgagg aacccgc      357


<210>       592
<211>       172
<212>       DNA
<213>       Glycine max

<400>       592
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acttctgctt tagttagacc acatatgtac ctgagaatgt cgcggggtca ggagacttgg   60

gacgcaggcg ggtgctattg ccaaaccaag cttgaccaat cccgcccaac ccgggcatag   120

cggcagtgag aaccttgatg tcctaaacgg cgactcctgg cagcaacaga aa   172

<210>   593
<211>   285
<212>   DNA
<213>   Glycine max

<400>   593

tcttcttgct tatggcgctt ctatggaggc tggatctttg agcttcaatg gagtccttta   60

atggtgattt ttcaccatgg agatgcagcg gaagacatag ataagaggt gataggacgc   120

accatctatt aaggaataag ccatggaaga aggagcttca ccaccaagat gatccttgga   180

ttacaagctt ggagattgat gcttactgga ggaaaagata gagagaacga gggagcacga   240

catttgttga atataagagg gagagatgtg caactttgaa gtctg   285

<210>   594
<211>   495
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   594

tgcangtgaa cccctttaaa accgtggtaa ntnccntttg gantcacgcg acactatcta   60

gtactcaagc ttaatccaca nagtccacga ttttatctgc atctccttta aatgaatgcg   120

aagagaatga agttgtgcat tttgctttgc caacaggcaa cccaagccca tgagaccatt   180

cctatcaaac aatcactcat tcactcacat acaccacaaa cctaatttgg agtctcgaat   240

gcttatcctt tgagcactca cagtacgatg cccctcctcc tactcccgcg agagtaacga   300

gagcatgttt ggtgaccctg tccaagaact tacttcttct tagagacaca cagtcgtcgc   360

ctcccttcct gcaccgagag tacaaatgca gggtggtgag cttaccaaaa actactctcc   420

cggggccggc ctggttggtc gacctgtact cggagtatgc atccgtgcct cctctgccga   480

gggatggacc tgccg   495

<210>   595

<211>   390
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   595

agcttaacca agaaaaaggc taacaatgtt nttatgcaca attgaaggaa ataaaattca   60

gaatttagga attcaagtaa caatccttca tacaaccaat atattacctt aaagagattt   120

tttttttanag ttcttcaagc atcaaccatt caacccaaat ttgtctctct ttnttttttt   180

ttttaattnt gcttatacga atttctgttt tttttttata acaaagagat caaaaggctt   240

aactttgca atggttcagc ctaaaaaaaa aacatgaaca agaaggtaat ataaatggca   300

aagaaaataa agaaggatgt tacccaatat ttccagcaaa ggaagtgttg atcctagaat   360

cggaactctg ataaccaaat gatatgaacc   390

<210>   596
<211>   318
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   596

cacaagtgag tttattcgat tattagagtt atctctttat cttaggagag tgattctctn   60

attcttggtg atcaagacac tctgctgatc naggacttca caccttgtgt gtgccctcct   120

ggnagagtgt tctttcttct atcatctcac cttgtctttt accacaattc agaaatcacc   180

ttgccaaata tctgtgacat actccattac acactcaata agtattttga cctaatgaat   240

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tcgcacacta ccacgtta   318

<210>   597
<211>   396
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   597

aagctctact aaataagcct agacattaaa attttgatag anaaagtcac atgcatgttc   60

cctgtatata gacaagattt gagttgagat gaactgaaga aagagagggc atatttagta   120

ctctagctag tcaaagtggt atatatatgt ctaataacga acctggtgct ccataatttt 180

tgcatcccgt gtcctgtttt gttgaatctc tccctccaac ctaaagttat atagtcagtc 240

acaaaaagag tagtaacagg gttaagcata tatatgtgtg ttatgtcagt tatctttcac 300

aaagcagtat atgctatata tatcgctcac agatcaaagc tgacgatagc taaacttact 360

ccaataggtc tgatgcaaga acatactcat tcatgc 396

<210>   598
<211>   511
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   598

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tgcatatctc caatcaatcc acgggcttat ataacatgca aggtgtttgg gccactaaca 120

tgaaccacat tcataaccca cctgtcaaga ttctgattaa tcaatgctgc tgcaaatctg 180

caaaactcaa tatattgaag attgaagatt ctcataggaa aattcctaaa tgcatatcta 240

taacaagaaa gtaaataaga caaaaacaat accctccaaa acctgctcgc atgtccataa 300

catttcttaa tctgatttct ttccagtgta aaacacgaac atagcttgct attatttcat 360

tccagtattt cgaatctgcc ctaaaaagct ctgatctgga tgtgaaagca tcaagctnta 420

tgctttgaag cctatcatgt ggggtttgca aacgtgcatg ccattagtaa catttgctca 480

tatccgttct tatgcattca gagatgcatg t 511

<210>   599
<211>   415
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   599

gagggactca tggtcactat gaatgacaaa ttccgtggga taaaggtagt ggtgccatgt 60

tcccacagcc cgtactaagg catacaactc cttatnataa gttgaatagt taagggtacg 120

accacttaac ttttcactaa aataagcaat tggatggcct tcttgcatca acacagcccc 180

aatcccaaca tttgaagcat cacactcaat ttcaaaagat ttttgaaagt ttggcaacgc 240

247

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aagtatggng gcattacgta gcttttgctt aagaacattg aaagcttctt cttgtttctc  300

tccccatttg aaaccaacat tcttcttgag cacttcattg agaggtgctg ccaatgtgct  360

aaaatccttc acaaatcgtc tatanaaact tgctaagcca tgaaaactcc tcacc        415


<210>       600
<211>       451
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<400>       600

tattgtagcc gatgctctgt ctcggcgtca tgcattactt tctatgcttg aaacannaat   60

gattggtctt gaatgtttga aaagcatgta tgataatgat gaaacttttg gagaaattct  120

taaaaattgt gaagaatttt cagacaatgg tttctttaga catgaacgct ttcttttcac  180

agaaaacaaa ttgtgtgtgc ctaaatgttc tactagaaat ttgcttgatc gtgaagcaca  240

tgangaggtt taatggtgca ttntgtggtc caaaagactc tatagacatt acangaacat  300

ttnntattgc ctcatatgaa aaaggatgtg cagacactct gtgaacatcg cattgtattg  360

taaaatgcaa gtctaatggt aagcctcatg gattgatact ccattgcaat accgagtatc  420

ttgattgtta tcatggattt gtttgggctg c                                  451


<210>       601
<211>       322
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<400>       601

tgcgcatact tcttcacgaa cgttcacttg cacaagacat tcttataact atgtaaaatg   60

aacccatata ctattaatgc accttcgtta cctagattat ttacatgtac tatcaacgtg  120

tatgtgttac ctacatcaca cacattttct ttgctagact cacatacatg catactctaa  180

gcactgtggc tatcanaaat tgcatacgtg cacatcnttg gatctctaat acctatacat  240

acacaaactt cataatgaat cttgactatc tacacaataa ggcgctacat ttcatgctgt  300

ctttcaagtg ttgtgactac ct                                            322
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248

<210> 602
<211> 279
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 602

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gatgatgacc gataacccaa agaatgattc gaagaatgag tcaacaagtt caagtttcat    60

gagaaganat caagaagatt caagaatcaa gagaagtttg atttcaagat tcatgagaag   120

atgaattcaa gtttcaagag aagaaatcaa gaagacttca caagggaagt attgaaaaga   180

ttttcancaa acaaacatag cacagttctg ttttcanaag agtttcttc acaatttcta    240

gtaccagagt tttactctct ggaatcgata ccagttcct                         279
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<210> 603
<211> 272
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 603

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ctcataagca tcttatgaag ttccatattg tctgttccac catgaagcct cctgatgtcc   120

acgaagatca tatctttcta aaggctcttc ctcattctct ggagggagtg gcanaagaat   180

ggctgtacta ccttgcttcc aggttcatta ccagctgnga tgaccttaag agggtgttct   240

tggggaaatt cttccctaca tctatgacca ct                                 272
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<210> 604
<211> 512
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 604

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tgtgaagtat gtatgttaat gaggaggagt ttaatgtggc attattggac ggatanacgg   120

ggtgtcttag taggatggtt gtgcccgcct acacactcat taatatttta taaagtgtaa   180

aaatgtatgc ttcaacattg aattctgaga tagagcacga agataaatatc taactgatgg   240
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249

cttaaattta ttgataagag ggagtagtct atagaaaagg tgtactttat acgatgaagt   300

gatttttata aatgagataa tggcttagtg cggctaattg tgataataaa gaatttgttg   360

tttgtgaaca ctattgttag acattgggg atattttggg ttctaatact gtaaacgatt   420

acatgtaaat tttctattgc ttatatgata aggctgaatg aataggtgta aattaatatt   480

aattataatc ggagttttat gtctgtatct ag   512

<210>   605
<211>   394
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   605

ataatgatgg tccgagntat gttgtggagc ggntacgaac ccggaatggg tttaggcaaa   60

gacaacggcg gcataactag cctgataaat gccaaaggaa accgtgggaa gtatgggtta   120

tgctataagc ccactcaggc aaatataaag aggagcgttg ccggaaggaa gagcggaagt   180

caaggctcgc ggatgagaca agaaggtgaa ggaaacccac cctgccaaat aagtaagagc   240

tttataagcg cgggtctgga ggacgaaggt caagtcgtca ctatatatga agatgatgct   300

ccgagtacgc tgtatttggt acgaccatgc ccttctgatt tacaactggg aaatcggcga   360

gaggaggaac gccccgactt ttacgcgaag agca   394

<210>   606
<211>   369
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   606

tttctctaca atngcatcac ctctcaatga gctggtgaag aagaaatgtg gcattacctg   60

nggtgaagaa caagagcaag cctttgcttt gctcatagaa aagcttacta aggcacctgt   120

tctagctctt cctgactgtt ctaanacttt tgagctagaa tgtgatgcct ctggagtggg   180

agttggagct gtattgttac aaggtgggca ccctattgtc ttatttagtg aanaacttca   240

tagtgccacc ctcaactacc ccacctatga taaagagctt tatgccttaa taagagccct   300

ccaaactcgt gaacattacc gttgttcaag gaatatgcat tcatagtgat catcaatcac   360

ttaagtaca   369

<210>   607
<211>   367
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   607

agcttgcctc anagatgtcc aggaaggaca atgtctcaga aggaactagt tccgctccgg   60

agtatgatag tcaccgcttt aggagcgcgg tacaccagca gcgcttcgaa gccatcaagg   120

ggtggtcgtt tctccgggag cgacgcgtcc agctcaggga cgacgagtat actgatttcc   180

aggaggaaat agggcgccgg cggtgggcac cactggttac tcccatggcc aagtttgatc   240

cagaaatagt ccttgagttn tatgccaatg cttggccaac agaggagggc gtgcgtgaca   300

tgagatcctg ggttaggggt cagtggatcc cgttcgatgc cgacgctatc ggccagctcc   360

tgggata   367

<210>   608
<211>   280
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   608

cttatcaagt aaatggatca ttcttaacgt ccaacgcctt ataatgatca cctttcangt   60

aaaaagaatc gcttgattca cgcttaagaa agaactacat aggttcgatt tcctcatcga   120

tggagggtac gtatgagcaa aagccccgct attgtcgacc tcataatata aaaagacata   180

atagttaagg taatacatat tccacaattc taaaaaatat gttgttgtcc tttgagacaa   240

acgtgagagg tgctaatacc attctcaaac gtatatacaa   280

<210>   609
<211>   394
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   609

agcttgtatt tcaaatatta tggtgtgcgc ttgttgtaac atgttatgtt tgctactgat   60

ttttaattct ttgacccttt gaatgaccaa attggctttc gatgtcttca tgagacttgt   120

agagaatttt atcctttaca ttcaagcact ggtatcatgt tatttggacc attacaacat   180

aatcaatcct tanagcattg cagttntgtt atattgtgag gacaaactga catctctatc   240

ttcatggtca gtttcttcca agatccaagc cttatttgcc catgacttct ccataaaaga   300

tatatatatc tttctcttag ctntctacaa ccactgagat catcccaaat tcacttttgt   360

agctcaagta gttntcaaat tattgcacac atat   394

<210>   610
<211>   525
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   610

agtgatgnnn tttgaaaccc cagtaagtan ccnttgcttg tacgcgatac tatacactac   60

tcaagtgcgc catgccnctt gatatacttg tgggactcat ggtcactatg aatgacaaat   120

tccttgggat aaaggtagtg ttgtcatgtt ttcaaagccc gtactaaggc atacaaatcc   180

ttatcataag ttgaatagtt aagggtagga ccacttaact tttcactaaa ataagcaatt   240

ggatggcctt cttgcaacaa cacaacccca atcccaacat ttgaagcatc acactcaatt   300

tcaaaagatt tttgaaagtt tggcaacgca agtatggggg cattagttag cttttgctta   360

agaacattga aagcttcttc ttgtttctct ccccatttga aaccaacatt tttcttgagc   420

acttcattga gaggtgctgc caatgtgcta aaatccttca caaattgtcc ataanaattt   480

actaagccat gaacacttct caccttttgtc acggacttan gtgag   525

<210>   611
<211>   386
<212>   DNA
<213>   Glycine max

<400>   611

atgcaagctt gcagatagat caatgtgagt caacttttat ctttgatcaa attataaatg   60

tttgaattgt tcttaaaatt ataataaaat caaatatgat aaaataaaaa taaattctat   120

ttctgaaaaa aaaagtcaat tctactttaa cctattgaat aaaattattt taattcagaa   180

ttaatttttt cactactgct aattcaaaca cacacttacc ataaacacgc gcgttgcact   240

cgaaaatcaa ttgtctcccg ctccagcaaa atcaaattag taaagcgatt gccacataaa   300

tttatagtaa caaataacaa tcatcaatgc ctcaaagcta aaccccaaac catcttcttc   360

accttttctc tctgcacacg aatatg   386

<210>   612
<211>   273
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   612

ctatatgata tagtgtattc tctatattat gttcgtatgt ggaggaggct aaattatcat   60

tctaattctc ttatagttnt aattgtgtaa tcttgattgt ataaattatt aaatatataa   120

acatttgttc ttattttatt atactatata gattgtcttt acattattgt atatcattta   180

aatattatga ggatatgaaa ttataattta acctttataa aaatagatgt aacgcaacat   240

agagactgat gctactttga tattccaatt gat   273

<210>   613
<211>   273
<212>   DNA
<213>   Glycine max

<400>   613

tatcttgtgc attcaatatc ctgatgaggg tgtttcatat gttctcaaga ctggacaaat   60

acattggctg ccccagtttc atggacttgc aagcgaagat cctcatacac atcttagcga   120

ggttaatagt gattgatcca ccatgaagcc ccctaatgtt caggaagatc atatcttact   180

aaagtattta ctcattctct ggaaggagag agaaaagaat gcgtgttcta cattgctgat   240

agatccatct ccaactggga tgaccataag aga   273

<210>   614
<211>   353
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   614

gagatcatcc nctcaacaac attatgggtg atatctcana tggggtaaca tctagacact   60

ctcttaaaga tntatgcaat aatatggctt ttgtatccat gattgaacac taaaatataa   120

aagaagccat aatagatgat aattggatca ttgccatgca agaagaatta aaccaatttg   180

aaagaaataa tgtgtggaaa ttagtagaac aacctggaaa ttatcctatc atatgaacaa   240

aatgtgtttt tagaaataaa ttatatgaac atggtataat tattagaaat aaagccaggt   300

tagtagcaca agggggataat caagaagaac gaatagacta tgaagaaaca tat   353

<210>   615
<211>   122
<212>   DNA
<213>   Glycine max

<400>   615

tgctattgta acatccactt tattagcaat tgtggaatag attagaaggc cattgatggt   60

gacgctaata ttgaagaagg aacaattcta ttatagaaac acaaggggaa ccattttttac   120

ac   122

<210>   616
<211>   345
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   616

cagtgtttat attgcggttc caatgtggcc agagggttac ccagaacatg gaacggttca   60

agcaatgatg gattggcaga ggagaacaat ggatatgatg tacaaggatg atgctggagc   120

actaaaaggc aagggtaatg aggaagatcc tctcaactat tcgacattct tctgcctagn   180

taatagggag ctgaacaaag aatgagagta tgtgcccca gaaagaccag atcctcatac   240

agattatatg agagcacaag tgtcccgacg ctttatgatt tatgttcatg ccaagatgat   300

gatacgcatg tctgttaatt aagtttacca catcttccaa gatac   345

<210>   617
<211>   288
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations

254

<400> 617

ttctaacaca ggtattttca cggattgtga ctgggatgct cttatactan gaagtctctg   60

cttatatant ttactttaga ttaaggagga cagatactaa tgctcctttt aacttgaaat   120

atccttcctt ccttcatcag agagcaagaa aaacttacta atggatggaa gcatctatac   180

catgttgcat ntacaatana agcaaaacac acaatctcaa tataacttct attcaatagt   240

tggccaaaga ctttcacaat gagaagagat tagatattaa tataaaga   288

<210>   618
<211>   459
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   618

ngcaagctnt ctaaatgttt ctttgcccag tctcaggtag agtacttagg acatttggtt   60

tcgcatcggn gagtggagcc cttagcatca aaggtcactg caattcagca atggccaatt   120

cctcgtacaa cgaaggccgt aaggagcttc ctgggccttg ctggctttta tcgcaggttc   180

attcagaatt atgccattgg tgtggcccca ttagtcaaag ccacgaccaa agaacccctg   240

cattggacat ctgagacaca tgaagccttt gacactttga aacatgcctt gtcaatagct   300

ccggtgttag ctttaccaga cttcaacctt cccttcacag tcgagacaga tgcgtcagga   360

gttggtatgg gtgccattct ttcacagcga ggccacccca tagcattttt cagcaaacct   420

tttagtgcca agtactctga tcataacata catgcgaga   459

<210>   619
<211>   492
<212>   DNA
<213>   Glycine max

<400>   619

cggaatgata cactttacta tctataatct cagctctcag gagctgagct agttattaaa   60

ggggtgtgtg tagcttatct ctagattctc aagaaagttc tctcacatat tgttctcaat   120

ataacttctc aatgaaccta cctagtctat gaatagaagc atgtgtcaca cttgttgttg   180

ctatgatgaa tgatactttt atgagacaca ctacacagtt ccacttgtct tcctctacta   240

taacttaaac tgaatctacc cctgctcttt ttcttttcct acatttaagc atactctata   300

tgcttcttat ccaagacatc actcttgcgt gtattcctct tctttcatga gctacatacc   360

tatcggtctg tccaggccat atctattttt cttaacactt tgtgcttcta tagttccaac   420

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ttctccttac cg   492

<210>   620
<211>   416
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   620

ctaagaagaa agtagaaaac atatcacctt tctatttaac tatcttttgt attgtatgct   60

tggcaaatct gaatggtact ttcctctgtt tggggtggaa cttatggatt tccatttccc   120

aaaagggtga ctcttctgtc acttccatct tcatatgatt ttggtatgtg gcttcagttt   180

tagccattat gtggntgctg tggcgcgcca attgtttgac ttcaatgata aattgtgttt   240

cttactcaac atcaattcat tggaaattaa tgctttcctt aactcagttc tatttgcaag   300

aactagagaa tactatacac gtgtttctgc atgaacacca gctcatgcag ctacttcatt   360

aacgcatata taattaaagt tggctctcag aatntctcca tatcaccaac tatgat   416

<210>   621
<211>   328
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   621

atagcccgag gactagagta cttgcataag ggatgcaaca ctcgaanttt acattntgac   60

atanagccac aacattcttt nggatgagaa gttctgcctc aagatatctg attntgggct   120

agcaaagcct tgtcctagaa atgaaagtat tatttccagg tctgatgcca gaggaacatt   180

atggtatgta gctccagaaa atttggcaga atttcacaca natctgatgt aatcttccac   240

tttanattta aaccacctaa accttaatgg gtaaaattaa ttctattatg cattanatgc   300

atcttatctt tgacttgaac tctacaat   328

256

<210> 622
<211> 439
<212> DNA
<213> Glycine max

<223>   unsure at all n locations
<400>   622

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ttatagacga atgtttcact tttcttccac ttctaccgag agacataaaa ttttcaacgt    60

ctttcatagc atcaaactga aaatctctaa ctgcccttcc aatactaatc gctgcctcaa   120

caattccttt ttctcccatt agcttgctcc tgtttagtga cacaatgcga atgacaatgc   180

agtttccaaa gtacgttgaa ggaatcgaaa attcgggacg gttacggcaa tctcccagaa   240

acttcaagct gtaaatttca tcattattat tattatttgc aatagtgata gcattgacct   300

cttcttctga ttgaaccttg caaacccaca tcanagcact tgtcataaca aaggttgata   360

tgtgcaatga ctctaattct aacccataag tacttctaca ttcaatcgac acccatttct   420

ttagcttcgc aacatggcc                                                439
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<210> 623
<211> 385
<212> DNA
<213> Glycine max

<223>   unsure at all n locations
<400>   623

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taaacctctt aatttagtca atgcaatttc ttttttatcc cttgttctaa ttacatgcat    60

aatgcatctg gttntcctag tttttcaatt gttaaaatta ggtccatgat ctaatgtatt   120

ttttgacatg atagtggctt gtctgacttg ccacatgata canagcaatg gcatgagttc   180

actggttata gccactgttt tgtctgtcat tgtaagaatg nngaaattgt gaatatgaat   240

aggatttgaa caagaatctg ttcttgtact annaaatatt atttttatga cacattntan   300

aacggtctaa tcgcttanaa tgtcagcttg tcaatttata ataatanaag tatataatga   360

caatttctaa atgtcttaca tggta                                         385
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<210> 624
<211> 335
<212> DNA
<213> Glycine max

<223>   unsure at all n locations

<400>   624

gtgtgcgttg agttggttaa gggtggttca cgttgtgatt ggcggaagtg gttggttcaa   60

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tcgcctttcc ctgtgaaata ttnttcgcaa tagaaactaa tcttctgcta gaattatgag   180

tgaaaactaa ccaattaaat atttatacaa ttaatactta cagtatttct cataattaaa   240

taaatcatga tgatcaaata tatattctct tctaaaagag aatcaattca acatacacaa   300

gtctacagga aaactatatt atgagtaaac tatca   335

<210>   625
<211>   514
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   625

ntganncccc tgttgaaccc tatagtatnt accngtcact atttcgtact caagcttatg   60

cttctaccgg ttntggacta ccaaattgtc aagttgtttt tgcatgaaca aaacaatcat   120

attcatctca caaaaaaaaa tcgattccaa atcgatgttg ttggctaaag ataatgacat   180

ctcttaactc cttggcaatt gtatcaattc gttcaagtaa tagtttaaac gataaaatcg   240

agtgtgagtc cacaagaact ttgactgtac tcagagttta tatatatcca attttaagta   300

ataaattaat tgaattgaat atttgttgag tgatgacgca taaatataat tttgatctaa   360

attaaactac aaaacanagc atgtgcaagg gtgagaaaac aaacactcaa aacagtgaag   420

taacgattga tgcagaatta tgaacatgtt ggggctcagt cagcctacca gaactactct   480

ngatgcaaca ttaaggatnt ntctctattt aacg   514

<210>   626
<211>   314
<212>   DNA
<213>   Glycine max

<400>   626

gacgaagcgt gttgtgaatg gcgtctcgcg tggctagcat ggtatcgaca gcatcattgc   60

gtgatgacca cttgatgtaa ttggagatgg ccggaggagg cttaccatat gtgacctcgt   120

atggagtgaa gtcggtgccg gagtgctgag acgtgttgta agaccattca gctagggcta   180

258

agaattaaac cagtatgccg ggttgtggtg aacgaaggaa cgaagatatt gctcaatcgt   240

accgctcatc acttcggttt gcccatcgga ctggtgatga tacgccgtac tcatgcgtat   300

cgtcgtccca ctga   314

<210>   627
<211>   264
<212>   DNA
<213>   Glycine max

<400>   627

agctgtagga cgtgaaatca tgtgcagtca tgtatcttat agtcctctca cggggggggag   60

gttgtgccat gctctcagaa tgtgcaaaat cagaatgctc agaatcagaa tcctcagaat   120

cagaacgctt aagattatta cgcttccaat cgagatggtc atgagcacca ataacatact   180

gcacagattc atcatgagcg gcctgctccg gatgaccaaa aggaataaca tgatgcctaa   240

ctcatctatg aaatgtccta tcta   264

<210>   628
<211>   522
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   628

tggggaatga tacctnagtg agtangcgtg ctattacctg tcactatcga atactcaagc   60

tgggagagga tgcttcaatg gaggaagaga tttatggaca gatttataga gggggtagca   120

cgaaattgaa ggaataatat acggagagaa gtggaacctt gaagtatgtc ttacatgact   180

ctcattcatc aaagttacaa catgtgttgc acatgcttct ctttatagac taggtagctg   240

gcttgagaag ccttgttgtg aaaactgtct tgataagctc atttgtgaag cattacgtgc   300

gatgctagag cttagctcca cacacccggg tgataactaa actcacctcc tggagaagct   360

cccttaacat gactcctaac gaagctatag cttaactaca catacctccc taatacttaa   420

gctcaccttc ttgtaatgag aagactttaa ctgagctacn tggcccctgt tgtagctata   480

ctcacacctg tgacaaataa gcaatggtat gcaatacact cg   522

<210>   629

<211>   396
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   629

gactcattat ccntnacagn tattttaaca gaatgtcttc ctggcttact ctgatttctt   60

gaaggagaat cccccaataa atcactcacc ttttcttcta cgcagagaga acttctcggt   120

ggagcaatct tctttgatgc ttcaggttta gaatcctttt tcctccatcc accaaaccat   180

cctttctttt cttgcttatt ttctccactt ttgttacaat ttccatcttc aataggaatt   240

tctctttctt cataacagct gtgacgatgc ccaatgatca cctcatcact ctcattgttc   300

aagtctggcg actccaacct tagtgcatct tccaattgcc ttctttcatc ctcggncaaa   360

atatcattga gctcttcact ctcttgttca ttttca   396

<210>   630
<211>   294
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   630

tcttacacgt gtaacacaca acttcagctt agtggtttaa gactctaagt gtagcgtcca   60

tggaaggcga agcatccata anagttacta tccatagtgc tctatggcct tcaataccat   120

caccatcaag caagggagat gcttcaacct ccaacccagc tgctgcanaa tggccactca   180

atatacaaga atgtattcct catacaatag caccaccaca ttagaatgct cgagttgatc   240

caaaaatgca caacatataa naatgctaac aataaaagtc ctaacccttA tcat   294

<210>   631
<211>   365
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   631

tctcttatgt tgcagagtct atgaattcta gaataatata acttcaacca ctanaaatga   60

cttcaaattg tatttaacat ctaagccttg tcagctcana tgatcaaatt cctcaatgtg   120

aaaggnggaa cagactcttc tatttataag agtcttanag gtaattagtg atttacaaat   180

atcatagcan ataattaacc ttctaagagc tntccgcctt ttagcanagg ctgctttaga 240

cctgatcgat gaggtacaac tcccttaaca aggttccgtc aatgtggtcg attgattatg 300

gagttaattt tcaacaactt tgtagggata tgcatcatac atggatgatc atcatacaca 360

tacta 365

<210>   632
<211>   396
<212>   DNA
<213>   Glycine max

<400>   632

tagcttttgg ttttggtgaa cacaattaat ctattaccat gtaactgtaa tcgattactt   60

gggtgtttgt gcgtgatgta atatgttaca tctctatgtc ttcacctcgt caaccactat   120

tattactaca tttacttccg ccacccacct cagccaacta aaatgcctca gcctctcttt   180

ataagccaac cttaccctat gcacaaatca caccaacacc tgttctaaac ctcctgttac   240

caccccttctc tgaatacaaa tatcttatgc tctcaaaccc tctatctcct cttcaagatg   300

acaaacaatc ctttaagagc aaataatatg gaaaaatatt ccaagaagaa gcaaggagaa   360

tgttcatagg atgttatcaa cccgttggac ttggaa   396

<210>   633
<211>   517
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   633

gcgggaatga acccatgtga naccntgttg atacgatggc atctacgtga cactgtgtag   60

tgctccagcc cgtgcgatta tgaggtaccc gtctcctgtg gtactaggtg gtattcgggc   120

gagggtgcat aacatttctg acgatccacg gatgacctat aagcacccca tacgctagtg   180

gcgccctatg gcagagctca ctatctcaca catgacacac atacgtggtg gtgtaagcac   240

cgggtacacc tcaagccttc tgagctttca catcatacaa gtaattcaac aattattgat   300

ccgaactcac acatgatgag ctgaaggcgt aggcgcagaa ctctgctgga acacatacca   360

gtctcccgac ttttcacatg caaatatccc atatgcattg gctatggtct acgacgttga   420

261

ccgtgtggat cgactagcat agactactgt gcgtatctag tacatattct acatcttgac   480

cgatgtgata tgctatagaa tggctagact cacgtag   517

<210>   634
<211>   390
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   634

cttgagctat aattcattgt ttgtgttatg agtctacatc aaacaattgt attattgatg   60

tttctgtcac aatcaagtga tagttgatgt ctccatatgt gcgtacactg tgattatgtt   120

ttcgtttcta aaattcattn ggagtatcta ctgttgattc tagatgagtg atccttcttg   180

atttacaatt attgtctcct aatcaatcga gtgttcatct tattattggc tgctcatatt   240

ccaatcatgt ctagttaaaa tgcttgataa tctttcttgg tgttacttct aatacgaata   300

aagagagact tcgcctttga caatcacgtt aagatgtttn gagaggaaat acttgagtag   360

acatgatcat tgtacctata gacgaaagtc   390

<210>   635
<211>   252
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   635

gattgatagt tcactaagaa taatcttata aagaatacct ttcctcttag caatgaaaaa   60

gtgagtcccc attttgttnt ggacaacaca cccttctttg ttaaaggaaa catcaagtcc   120

attgtcacat aattgactta tgctaagcan nnatatgtta agctctttaa caaaaagtac   180

attatcaatg ggaggatagg gatcaatact tantctttca tactccaact atttcctctt   240

ctatttcctt cg   252

<210>   636
<211>   393
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   636

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cagctccatt gatatcattt atttaatgca atgcacatgt ttcgaataag atttcttgta   60

tcacaggaaa agatctaatc caagttgaat tacggatcat actgattgtg gtgcgaaaac  120

tggcttgaag tagccatctg ggtaatatcc aaaccacgaa gtttcctctg gtattaaaac  180

agtgtcgcgc tcacactgtt aatgtataaa ataagactac aaatatataa gctttcctca  240

tgaaatcaat tagcaatatt ctattcataa tatcacaata atacatttag aggacttacc  300

atgataagta ccanattctg caagctactc aatctttтct tgtaagaagc atttctctta  360

tctggtattt cattgccatg cactggaaga aat                                393


<210>      637
<211>      391
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      637

gctgtctcta gatagacaat cttgccctcc tgaccttacg gtgacttacc actttgatnt   60

cttttttgt tggtgagtaa ctgtaccatt aaatataagc atcatataag aaactagctc  120

acaagaaaaa tctggtaaag actacatatg annaaatagc gtggtcttaa acaacaattg  180

taacgtaata nactgaaccg ctgggtaatt tcttgaataa ataaattcag atcttcacaa  240

tgataatttc ataaactctt actgtacaac acattgactg aagacaaaca ttatgcataa  300

aactatagaa gcatggcata tgttcatctg caaccaacag gaatgtatgt cacacattga  360

aacagatatg tnntatctca tactcattct t                                391


<210>      638
<211>      416
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      638

ctgcacaagg ctcttaatat ttgaagagta tccttgagga accttcaccc gacgaagaca   60

ctaacaaaaa cttatcttct ccttcttgga caaagtatgg caggctgggg gcaagtaaat  120

tttcttccca tcagaccttg tatgcaactg tgatcgtata cccatatcag ctagatcttg  180

acgggtattc aagccatcct tcgtcttgcc ttgaatgtta aggagcgtcc caatgactct  240
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263

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atcacagaca ttttctcca catgcataac atcaatacaa tgtctaacgt caagatcaca    300

ccaatacgga agatcaaaga atatggacct cttcttccat atgcaactnt gactattatc    360

cttcttttga gtcttcccag atacagtatt cacgtgttca acccgataat atacct        416


<210>       639
<211>       298
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<400>       639

gttcttgacc atattgaacc ccggtgacaa caattgcttc aaggacagag acaatgaaga     60

ggtcgctgga caacaggatc aacaaatgac ctatagtatg gttcttgact tagatcgaac    120

ctgaggacaa cgatattaac caacagacca cacaacaaat gaataacagg acaagagaca    180

atggagctgc acaacatagg gttaagagag acaaatgatg agggaataat ctcanatacc    240

ttgcaagcat ggtagaaact ccaaacccaa actgagcata ctcaaattat ccaatctt     298


<210>       640
<211>       405
<212>       DNA
<213>       Glycine max

<400>       640

atcactatac acattagatc tgagtaagat ctactattga agtactaaaa tgtacacaca     60

catacctcgc cacaaagagc aatatacttg gaaagcagct tgttgattct atcctgctca    120

tctttcctga gaattcgtag tttctcctca ctcacagatc gtgcaagaag attcccaact    180

gcaacaaaat cacaaaacta agctaaaacc aataaaattt caatgcacac acacaatcga    240

aattagagct gaaacataac tccaacttac atggtgtata gacataatcc ttggtactat    300

tgtgtgtgac atggagaaca gcaatggaaa ttggatgaga ctccacttct tgagagccca    360

attcatagtc ttaagtccat cttgcacatc attaccaaca gcaac                   405


<210>       641
<211>       312
<212>       DNA
<213>       Glycine max
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<223>   unsure at all n locations
<400>   641

taattaagca atatggatga gatatctctc taattcagga tctaattata acatgatatg   60

atcaaatgta agaactaaca tcactcaatt aagatatggg aattaaaatt acacagtatg   120

tgaatataaa gaaactcana ttgtatctaa actttctctt ctactaatat tactattaaa   180

taatatgttt taactatgcc tttaatgaaa gtgtgtttta actatatatt accaaagaaa   240

catagtgcaa cctatataaa acgtgtatnc gaacaaacct actatcagta agtatacttt   300

atacgttaat ct   312

<210>   642
<211>   482
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   642

tatgacccct gannccttga tccctgatta ctgcggntta agataaccgc angccgaagc   60

tgtatatgat ttatgaactg gccatcattg tccttatgca agtctngcac cttatgttgc   120

tggtcgacac aaccatcata ttccgactga gagtgtgtgc ttaaagaaca tcacgtcgaa   180

tcggccgtat cgctgtcacc gctcatatag agtaacatta tgtggactac ttatagcggc   240

gattacaggt gggtggtctt ttcatatatc acatgctaca tccctttctc ctaaatgcaa   300

aagacttcgc tcgcttcata gcttatactt actctccttt gaangacaga cacatcacat   360

tgaacatcac caaaaatatc ttttggcagg ctgccaagac aaagacttat gctgtatttg   420

atgaccataa cttaataggt cacttccccg agacctagag aaaccgatct tcgacttaaa   480

cc   482

<210>   643
<211>   514
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   643

tggggatgac nccattagan ancnctgtat ttgcngacac tatacagtac tcaagctntg   60

agaaattatg gctgaggcta agacatgttg tgggcccatt gttcaaatgg aggcatttat   120

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ttatttattt ttaatttatc atttgggtaa atgtcaaatt aatatgggat aagtcattat    180

agatgttgta acttttgaat cgaaagtatt tttttttttaa tttatgactt taagatcgta    240

ggagtttttt tttagtactc taaagtcgta aagtctattc gttaaatttt ttattaaatt    300

cataaatgaa tgtacaactt caattttttt attccttttc ataaaattgt aaatcatttt    360

ttaattcaat tatttaataa ataaatgtat ttttactttt cttagttttta tataatattt    420

tctacatatt ttttatatag acttatctaa tatatttcct atactagttt attcaatatt    480

gtcttaatcg ctggtatatt atcttatttt atat                                 514


<210>      644
<211>      309
<212>      DNA
<213>      Glycine max

<400>      644

agcttgataa caatgtctct tctgtttagc attattaacg gcatgctcct cttccatttt     60

gcatcctgct acaggaaggt gccattcggt agagctaaga attctttaca gggctgatgg    120

ggtttatcaa caaggtagtc ccaactagga tcggacactt ccaccgttgg atgataggca    180

tcttctacaa tatcctttat ttccatggga tcttcattct ccttatattg cgcatcctct    240

ttggcgctct gcttaaagag ccagaaccat tacccattgt ctcttaaaat gcgtgaatct    300

ggggcattt                                                             309


<210>      645
<211>      310
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      645

agagcactcg atctatataa agaacttttt cttcaacaac aacaccttac canaactcat     60

gagaaataat aatgcanaac taacactaat aagatgttgc acaaataccc attatgggta    120

aactcaaaga aagaagaana aggcttacca tccaatagtg gggtcacaag ctcaaggaaa    180

tagatgagtg caaattgtcc taaagggaaa taagccctat tcttgagagt gaatgaaaaa    240

ccttcttatg gttggaggag aaaatgggaa agctctgaga aatgagtaaa ggtgcatagt    300
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tncaaagtat   310

<210>   646
<211>   297
<212>   DNA
<213>   Glycine max

<400>   646

agcttatcga gatccgtgat ggataggcaa tgtttcggca taatgtggaa cctgacgttg   60

ttgatgtaca catgcaaatc ggagaagatg gagagttatt tgatggcaaa cacaatcatg 120

ttgttcagct tcacgacttc cgcgtgcatc accactaagg tgaggatgtt gaagccattg 180

ttgcggataa gaagcatcac gtcaatcaac atcaagaata ccttcgcgaa ggtgttgttc 240

ttgttccaat gaagcgtatc agaggttaaa gtgatgcaat ggcgaagtgg gttcgag   297

<210>   647
<211>   372
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   647

ctaactgngc agtantccaa aaatgtgagt gacatcacct tgaggtgggc aacaaattaa   60

gtgccttcac cataatagca cctgcacctg aacctatgaa gcttcattct acacctgaga 120

aagatgatga gatatttcct cataagagaa agcttccaac gcacatatta cgcaactgac 180

ccttttttcc tctcatgact taaccacccc tcctacctct attattccca ataccatatc 240

tcactcaccc gtacatcacc attctgcacc taccttacct ctccttgcag acaaactctt 300

tatcgccttc acatgtaacc ccgtaaacac tacaatctct aatatatgat tgctcaactc 360

tcttcaacct ct   372

<210>   648
<211>   375
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   648

tttgagccgt cgacgaccng ngatccttag agtcacctga ggctgctgct tacatcaaca   60

267

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cttcaggggc tgtactactt acatggattg atgggcctat gcagttgaaa gcctggagaa    120

agaggatgcc tatngttgtt gggatgaatt ctccagattt acctgggtaa actctatcag    180

agagaatcaa aaccttgagt attcaagagc tgagtctaag acttcaaaga gagaaagact    240

gtgtcatcaa gagaatcagg agtgaccatg gcagagaatt tgaaacagca ggttcactga    300

atttgcacat ctgaggcata ctcatgagtt tttgcagcat tacacaaaca gaatgggata    360

gtgagaggaa aacag                                                     375


<210>      649
<211>      234
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      649

tttgagcgtc tcgatatatg acgagactac atcatacatc ttagtaanaa gttatagtcg     60

tttgaatatg ctcagagctt caacattcaa ttacgagcat ctcgctatat tacgggactc    120

aatcagacat ccgagtaaac agtttgttgt ttgaattgtc tgagagcact cacattcaca    180

ttctagcgcc tcgatatata tatggactct atcacacatc cgagtataaa gtta          234


<210>      650
<211>      407
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      650

tgcaagcttc tttgagaaaa cttccttgag aagctagtgc ttagctacac acacccctct     60

cataactaag ctcacctcct tgagaagctt ctctaagaag attcctaaag aagctagagc    120

ttagctacac atacctctct aatagctaag ctcacctcct tgagatgaga agctagagct    180

tagctacaca cccnctataa tagctaagct cacccccatg acaaaaaaaa catgacaata    240

caaaaaaaaa agtccttact acaaagacta ctcaaaatgc cccgaaatac aaggctaaaa    300

ccctatacta ttagaatggc caaaatacaa ggcccaaacg aagaaaaaac ctattctaat    360

atttacaaag ataagcgggt catgcttagc ccatgggctc gaaatct                 407


<210>       651
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<211>   337
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   651

cgcctaacta aatatgatat tgagtgtttt ttacatgcat ntacttaaca agaaacttan   60

acattagnta agtttaaact atatggttgg aaaaagaaca agtggaagag tgaaggtttc   120

caaacaacaa tccttgacaa aaaataaaaa aaagctggtt ctagcaaata aatcatatca   180

cactaagaat gagaaataat accagcatcc ctatccaaaa aatattcaag gatgagacgt   240

gtaaaaggtc acgaatttca tgctgctaat gatatatcta acantaataa tctngtcctt   300

ttataccttt tanggtatta tggagatgga cgggagt   337

<210>   652
<211>   178
<212>   DNA
<213>   Glycine max

<400>   652

cccatcatga tgctctttct gaacagaaag tacctgtgaa cgtgcactaa attgcctatc   60

aactcactac gagagaaatt gaacttatct taaactctgt gatatgagta tcattacaat   120

tatgaggcat ctcagtgcat aaaatggatc aggttggtcc ttatgacctt gctgccta   178

<210>   653
<211>   354
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   653

tagctacaca cacccatcta anaactaagc tcacctcctt gagaaacttc cttgagaagc   60

tagaagctag ctacacancc ctataatagc taagctcacc cncatgacaa anaaacatga   120

naatacanaa aanatcctac tacaaagact actcanaatg ccctgaaata caaggctaan   180

accctatact actagaatgg ccaaaataca aggcccagac gaagganata cctattctaa   240

tatntacaaa gataagcggg ctcatactta gcccatgggc tcgaaatcta ccctaaggct   300

catgagaacn ctanggtctt cctttggatc tctagcccaa tctacttgga gtct   354

<210> 654
<211> 445
<212> DNA
<213> Glycine max

<223>   unsure at all n locations
<400>   654

taatagggta agcactacaa catttataat ttcaaagcaa agcacataat aatagctatt   60

gtacataggt ttgatcacac ataacacact atagaatatt attcgtcata attaacaaac 120

aattctaaaa gctatagcgt catggtactt taagatgaca tatagagttt taggtttatc 180

aaagaatttc ccataacaaa tccaggacta tatcccaaca ttgcaaatag tacaagagca 240

agcaatcaat atactttaga atctcacacc catattccat ttcaagcatt atattttttc 300

atatttagac ataacttggc ttatgttcta ggccaatatt ggactttatt ttacaccagc 360

ttattggact ntaagaatac atcccgcaac atcaaatgac tcaaatccat tactgcaaaa 420

tacaaatacc cagaggaact acaac   445

<210> 655
<211> 520
<212> DNA
<213> Glycine max

<223>   unsure at all n locations
<400>   655

atgtaattga aacctttgta agncccgtca ctatagaaca ctcaagcttc taagattatt   60

aataatatat ccattattca atattttcaa ttaattataa aaacaaaatt atttatctaa 120

aaaagaanaa ttaaaaaaat attttgaaaa caaataatt taaaattact aagagaaaga 180

gcaactaaga ttttgacaga aaaaatgaat gcaaaaataa cacaattaaa attaaaaaat 240

aataaccatt aatgtcttac atttttatgc ataaacatat atattacttt taatttaaaa 300

ataaaaatat tttagtcatt tgtgtgaaat taaattactt acaacaaata aatttaattc 360

aattctttaa tagtaaaact ctttatatat atatatatat atatatatat atatatatat 420

atatatatat atatatatat atatatatat atatatacac acgtatcagg gacatatgtg 480

ggataatatg actacgttat atatgcgagt ggagatgctg   520

<210> 656

<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 656

agtacaataa gctntatgtt ctaaatctac tggaagatga catcccttgc catgcaccat   60

ctagaatggg gaaagactgg taggggtctt ataggctatt ctatacaccc acaaagcatc   120

atccaattta gcaaaccaat ctttactaga attctcttta tctttgtaaa tgagacttca   180

acttgaccat ttttttgagg gtggtaaggc gatgcaacct tctgtctgac attatagtgc   240

tccaatgcct tctgtagttg cacattgcaa aaatgggaac ccccattact gatgagaact   300

ctaggagttt ccaacccacg aaaaatattc ctcttcacaa accgaatgac tatttttgca   360

tcacctttct gtgtggcaat ggcttacacc cattttgata gaaactcttt aaatgacaca   420

<210> 657
<211> 265
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 657

gtatccattc agagaaatnt ccttttggga ggtcatcatg aggccaacaa gattccttgt   60

gtgaagtgng acacagtttg cctttctaan aataaagggg gccttgngat taaagatttg   120

tctaaattta atgaggctnt acttgacana atggggtggg agctggctaa taattagaac   180

caactntggg caagaatctt aatctccaaa tatggtggct ggaaggagtt gatctctggt   240

ggaaagagca nattntcctc tcata   265

<210> 658
<211> 360
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 658

tgaccttgtt tacagcgacg ggcactcttt agaactgaca gaggcccata atcagagctg   60

gaaacgccag gaccctattg gacttcttcg agtccactgg gtgtcttatg ggtgcgatcc   120

ctacaaacaa tagatgacat caganatcag ttgagcgatg tgcatactta cctatgtcac   180

271

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gatggcatga ccttgctggg ggcacgggca ccctgtaaga ctgacagagg cccgtaacct   240

gagctggaaa ccctagggcc ttgttgggtt tctctgagac cacggcgtgt cttgtgggcg   300

cgatccctag caatagtgga tggcatcaca aatcaactga accatatgca tacttaccta   360


<210>      659
<211>      360
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      659

ttatctagta cattgtnttt gaaacaagca ccctacagta gaattgccaa caatagacat    60

tgtttcagtt agggttttca attatcatta ttgacgactt ttagtgagcc tcctaaagaa   120

tgtaaacgcg tggcttatgc caccctcttg ataaactaag aagaagaagg tgaataataa   180

ataatctttt ctattaaaat aaatacggtag ttggtagaag gtatttataa cattaaatag   240

tactctcttc atttgtaaac gatatttatn tatatacaca tattaagaac gtcaaaggat   300

atatattaca taataagggt tcattgagtg ctatagattt taatattact ttagtttat   360


<210>      660
<211>      390
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      660

agcttgtagg gttatagtct cacgattgtc acgtgctcat gcaacaattg ttagccgtgg    60

ctatacgaga catcttgcca aacaaagtca ggttcacgat aacttgcctg tgctttttct   120

tacatgctat gtgtagcaaa gtgattgatc cagtaatgtt tgatgagttg gaaaacgaga   180

ccgcaattat actatgccag ttggagatgt attttccccc tgctttcttt gacatcatga   240

ttcacttgat tgtgcatctg gtcagagaaa tcaaatgtcg cggtcctgtt tatctacagc   300

ggatgtaccc ggctgagcga tacatgaaca tcttatnaga gtatacaaag aatctatatc   360

atccgaaagc atctattgtt gagaggtaca                                     390


<210>      661
<211>      111
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<212>   DNA
<213>   Glycine max

<400>   661

agaatgaagt ccactcaaac ctgaaatctc caacttccac tcgtagacac gcacttcacg   60

actaccgaaa tgccctcctt ttgcgatctg gagcggaaat gatggccaaa g   111

<210>   662
<211>   404
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   662

agcttgtacc agccactana ccttcaattt caattgtang ctntcctaat ttcttgacct   60

tcctcctacg agagaccaac ttcaactcag tatgttcctg tanataatta taattaatta   120

gaataaataa aattgtatat aaaatntaaa tatgttataa ttaaagaaat aactacctct   180

cttgcccaca ctttggctac cacatgatta acatatgatg tcaacactaa tgtatcttgn   240

ggcccacctg gaaaaccctg tgaatcaaca cctacatcct ttgtaattgg atcatgaggt   300

tcctcatgag tctcatcagc agcatcatcg atatgcccat tatcctcgac aatagttgca   360

agtgttcatt atctacgtgt cgacactttc aatcttcgac gctg   404

<210>   663
<211>   319
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   663

gcacgagaca tcagggttta gtattccaag atacaacata tatcgcatga acattgttag   60

atagagaaca tccttaataa catcagtcat ccagtaggaa gaccaacacg ttctttatct   120

gtcttcatac accactactc acgtgattta attttggata gtttagttgc atacttgtcc   180

ataccacgca ccanactntc atccaaaggc acttatttac tgaaccacag ctntaccaag   240

tacaacagaa tgctcgggag ttggatactc agtattcact taccggttta tactactttc   300

gtgatccagt gcacttgtc   319

<210> 664
<211> 349
<212> DNA
<213> Glycine max

<400> 664

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aagcttctat agaatgttcg ttcctaattt ctctacaatt gcatcacctc tcaatgagct    60

ggtgaagaac gatgtggcat ttacctgagg tgaaaaacaa gagctagcct ttggtttgat   120

caaagaaaag cttactaagg cacatgttct aactcttctt gacttttcta aaacttttga   180

gctacaatga gatgcctttg gagcgggagt tggagctgta ttgatacaag gcgggcacct   240

tatttcttat attagtgaaa gacttcatag tgccaccctc aactacccca cctatgataa   300

agagctatat gccttaataa gagccctcca aacttgggaa cattacctt               349
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<210> 665
<211> 295
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 665

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gtcacattgt caaagctcca atcttgtnnt tgaaatagag agagcaacaa cagcaaanac    60

tacaatcgaa gaaaataaat cataatcgaa gagcanaaaa aatatcagaa acaaggttct   120

aacgtttctc tcacacaang ccttttattt cctctnctaa tccatttttc ttttcttttg   180

gtattccacc anagacaatt tttttctaat ggaaaaaaca ctcgactggc agagaaatag   240

tgaagtgaaa agagagactg agagaanaga tattattctg gtgacgctga tgtgt        295
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<210> 666
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 666

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agcttggcag tgtgacattn tcttctgagt atttaatgca gcagattaat gagttttcat    60

tcttatcact gaatttccca tcgaagcaca aacacaatca ggagcactag gtttaatata   120

atccttagct tgagatgcca atttcctctg ctccctgcgt agttatatgt caaaagtggt   180

aaagactctg catcatcata acaatcaaac caaataatgt gcataaggat ttagctcttc   240
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tagagtgagc aagtgtgtaa agtaagaaag taaaagtgaa tgtactgttg atttgaattg   300

atgtacctgg tggccctaac taactttaaa acaatgggga aacaccctta gtttctcact   360

ttatacattt actaacttta gaggagtcaa atccctgcat cagaatatga acaagaaaac   420

atcaccttta   429

<210>   667
<211>   459
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   667

ntatcaccag gatgatcaaa atgttttttca tcattgcttg agttggaagg ttgggaatgg   60

ggataaagtc agcttttgga aagataagtg gttaggggaa ggtcctactc tacaacagaa   120

atacaatcag ctgtttctaa ttaatagaca gcaatctgac cttatttcaa tgatgggcta   180

tttctctcat gatacatgga gatgggactt gaaatggaga aggaacctgt ttgaccatga   240

aagtgatcta gctgtcgatt ttatggaaga ataagctct tttcattttc agagaaatgt   300

taaagacatc atgacctgga aagctgatcc tagtggtgtc tattccacga ggtcagcata   360

caaattcatg ataaccccct ctttcccagc ctttgatctg agatcctcaa ctntattatg   420

gaaattgaag attccccaga agctgcagtt ttcacttgg   459

<210>   668
<211>   306
<212>   DNA
<213>   Glycine max

<400>   668

ttgctgtgat gaacaaaatt tagccaatat tatcagataa atcaaatact taccgtagaa   60

ttactgaaaa tagaatctac atcatcaaga ctaatattag cctgttcaaa tacaggaggc   120

ttatatccct tcttgaacca gtcattctca atgacctcag taaatgtaat ccgctgtgtc   180

atattattaa aagaaaaaca gatgccggtt gttaataata atatatttgg tgaaatggag   240

ggaaaagtaa aatattctgt atacactaga ttagactaga gtactatata attaaacaaa   300

gaaaac   306

275

<210> 669
<211> 363
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 669

gagagtcatc ttgatatgac agctntggaa gtcctcttac gagactatgc tctagcatga   60

ccaagcttct tatgccatac ccagtgatgc tctntgattt anagtaagca tgagaacctt   120

tgactggaca gatcaccaag tttaatatta taaagaattc cttgtctctt agcaaagaag   180

agtgaagagt tgtccttgnt ctgaacaata cacatccttg ttaaaggtga cattgtatcc   240

actatcacat aatcgactta ttctcaacag aatatgcttc aatcctttaa cangtaanac   300

attatctata taagggtagg gaggaacaca tactttacct acacanngta tcataccttt   360

ctg   363

<210> 670
<211> 505
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 670

atatgaatcc tgcangcagt natcccttag aatgcngccg gtcgnancct nggaccgatt   60

catgcagaca agggacncct gtanagcata cataggtttt tgtcagctga actaatgagg   120

cgaacatgct catcatgctg acgcaactca actcatgggg ctcctcgaga taatgataat   180

taagcagaaa cctaagatgg cctgtcaatc ctatacagca ataattacag aacccctcct   240

tgccttgccc accctttggc taaccatgag taacacacga cgtcaacact aacgtatgct   300

gtgcccacac ctgaacaact ctactaatca ccacactacc tcctttggaa ttcgatcatg   360

aggcttctca tgagcctcat caggggaatg attgatatcg cccattattc ttgacaatag   420

gtgccagtgn gcattatcta cgtgtcccca ctctcaatca ttcnacgctg agggcgttct   480

gctcgaccca ctaacctntc taccn   505

<210> 671
<211> 228
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 671

cttattatta ttccaataac tntgtgtgcg gaacaataaa aataatactc ataaacatat 60

tananagcat ttaacaatga ggaanaaaat gtcatatacc atanaagaaa aaaagccaca 120

agaaaataaa aataaaatag tatntattnt ctanatctac ctncttatta cctaattagc 180

tcaatcttgc aaatttaaaa tgcacaattg accaaaaaat aacttgat 228

<210> 672
<211> 226
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 672

agcttgagat gaggaagtgt tgaagggtga attttcctgc ttttattgtt gaccacagag 60

tggtacctgn agatatgtcg cggnggtcag gagaccttgg ggacgtcagg tggggtgcta 120

ttgcccaaaa ccaagcttga ccaatcccga cccaacccccg gcatagtcgg tcagtgagaa 180

catgtgacgt acctaagcag gcgagcttct tgcagtcaca gataaa 226

<210> 673
<211> 296
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 673

caggcaacta actcctcttt canaaccatg ctatgtgctc gcgactggtc cctttcttcc 60

tttcgcaact tgagttcact attgctaccn catagagctc cgcgaaattt gttccggcca 120

tactcttcct tgcgagccct cttggtctct tgttcaaggg ctcttgcggt aattgcattc 180

tcttcccgta acccggcaca ctccttccga acgtgtgtag cggccaactt gaacttcttc 240

ttggcaagtt ttgcctttcc taactcgcta ttgagagctt ggacttcttc gtgctc 296

<210> 674
<211> 113
<212> DNA
<213> Glycine max

<223>   unsure at all n locations
<400>   674

gctgcaagct tggattgatt cggtctgaca agggattaat gnttagtaat ttaggctaca   60

acattgaaca aaagaggcaa atatgatcat catgctttga taaaaaaaaa atg   113

<210>   675
<211>   320
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   675

atgagaatgg ggtagatttg gagcatactc tcatctcaaa caagtctata acattaatct   60

aaactcgctc aaactggttt tacaacgaan aatctaccga atcaataatt gactcctcaa   120

cacccaattt accctagaaa tggctcttgc cttcactttg gtcactcatn ttcctcattt   180

gctcagccca agctgtccca taagtcctaa atgacgattc anactaggat taactcactg   240

taatattcaa ttaccactaa atccagaatt agctnttcag acccctcaag cattacactg   300

tgtcactcat atcactacat   320

<210>   676
<211>   348
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   676

aaaaaaataa tttaatcgaa ctgatcgaaa ttcggaacat cactctaatc tgtgtcaaat   60

acaanaaata aaaaaagaac accatatatt taaaaaaaaa aaaaatttc tccacgggac   120

ctatgcaaca ggatagcaaa aaattcagtg cgctgagtga ataaatgctt ccaaaagggc   180

gtaaatcgag gggaacgaaa caaaaatgat tcatatctga aaaaaaaaca gacaccaaat   240

accaatgaaa gctttgcaaa aaaagcatag atcagcgcat atcaaacata gagcatgatt   300

acataatcag atgaaaacgc ggattatata tacaatagta atatgagt   348

<210>   677
<211>   312
<212>   DNA

278

<213>   Glycine max

<400>   677

ctcctcatac agtgaaactg gcacaagtga ccagacatct gatacggtag agggtgattt   60

attattcatg tttcatagtt gtatattata atcgcacgta tatctataag aatgatgatg   120

ggtagcactt catcaagtga aacctctatt cttaacacat gaggaagttc acagtacaag   180

tgaaccattt ggtattctca atgacaataa gttaaaaata tcagcattca atgtagagag   240

ctcatccgaa gaagtccggg agatcttcat gggtgcatga gctacagatt ctgcaagagt   300

tattgaagtc ac   312

<210>   678
<211>   381
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   678

cgctctgnca ttcagnanag aaggagggtt gagtcccggt ttatggtttg atcccacatc   60

aggaacgtta gcaatatcag tacttggtct tccgtatgag tttgaggagt caactgaggg   120

tatagtctca atggccagct tggttatagt atcttcttgc gtacctgatt ctggagagcc   180

ctgcttctgc ataaaattgt cgacagtatt atttctaagt tctggtggca tggattcacg   240

ctcaccagat acagggattt ggttgatttc aataactgag tgctttgtgt catcagcact   300

caacttattc agctgataga cagaaggcat agactgctgt ccagatggga gcctcttctc   360

agtgtttcaa ctgatggact g   381

<210>   679
<211>   381
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   679

ctaaacttaa atctcgcgat actaataaat ggttaatact gtattattct ggttttacat   60

ttntgttcta tgtggctttc cagattatct cttcacctag taaataagag actaatctac   120

caagcatgat ctggtggtga naaagatcaa ccctctctag tctcaatggt acctttctca   180

```
caaacaaagt tcagaggatt gaatcanaaa tcacattcac atgctcaagg gatgtgagcc    240

gctgtcactc acatcaatgt atggtatgtc tgtaatacgt tgttggagtt atgttattgg    300

caaaatggat tgttcacaac ataaccacta tcatatggca cataactcac ctattgagag    360

catgatcaac accttcagta t                                             381


<210>      680
<211>      317
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      680

agctngaccg atcccgaccc aacccgcgaa nagtttcatc gtgagtatga aaagaggcac     60

atgtaatcat cctgctcgaa caaatgacaa cactggggca aataaagagg gtgagaatgt    120

agaacaaacc catgctgcga ctgccattac tatacggaca aggttcccac caacccaaca    180

atgtcattgc tcaaccaata acaacccttc tccctaccta ccacccaggt aatcacaaag    240

gccatcccta aatcaaccac aaaacccatc ttccacacaa ccaatgctaa gcaccacctt    300

tagcacaaac caaaaca                                                  317


<210>      681
<211>      151
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      681

cttgcacttg aacgccaatt gttatcatca tatactaatg gatcacatcc agacagctta     60

tccgaaggtg ttctaattgt gtcggaaatn ttcgacagac tacaaaactc tggcgattaa    120

tatttctgac gaccattatt ctaacggatt t                                  151


<210>      682
<211>      334
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      682

acatgataca tgtcttggtt tggctgggct caaagataaa ggagatgccc cacattattt     60
```

```
ccatgacaca natgcanaga tgatgatttg gaaacttcat gcaaaactgg tcatgcatgc    120

acctatgtgg acactcaagt gtcaaacttt tatggtcatg tgatgctagg gctcangatt    180

tagatcaacc caatgttgcc aaaatatgtt cttttatcca tttgtgcatt catccgagtc    240

catttcgggc gttcggtgaa atttcacagt gttcacccttt caggtgtaga cacattnttt    300

ttcaaaaact agttatgatc aatgaatttt tttc                                334


<210>      683
<211>      407
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      683

gacaactctg atatcaagag acttacacac acacactntn tcctagtcga tcactcacat     60

anatntccat tctcncccct tggttttgag tttatgcntt catttgaaat tagttaatta    120

cttatgtgag ttcttgattt attccctata tctctcccccc tttggcatca acaaaaagcc    180

aaagtgtgta acaagtataa gacacacata tactattaat cattcacaag gcatacattg    240

aagaatataa accaatcatg aagcacgaaa catgaataga tcanatatat aataaccaca    300

tagtcatata atataattca taattgttca ttcacaccat gccaatatag aaaatactaa    360

atatccaaat gtcataataa tatatggtat ttggataagt cactaca               407


<210>      684
<211>      278
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      684

agcttccttc anaaattacc atatttgcgt ggtgactact aagagatagg ctaccaacaa     60

gatcaaattt gaggagaaag caaattgagg tcgaagatcc actgtgtcca ttctgcattc    120

agctgaggag agcgcttgcc aactattctt tcagttggag aaggatactc cgctatggtg    180

ggaatcatta tcatgggtga angtagtggg ggcttgtcca aatcatacaa ggcaacactt    240

ncttcaacac atatatggag cgacagatgg aatgagag                           278
```

<210> 685
<211> 454
<212> DNA
<213> Glycine max

<400> 685

```
cagaggtggt ggttgtgtta tgttatcgat tttcactctc tattcatatg tttccgtatg   60

taattatgaa aacttcactt aatttatgct tagttttgat tcttattttt ggctgtgttg   120

tttatttggg gactggtgtc cattaatatg cttttggcag tgcttttttca tttctaacac   180

gttcttgtgt tctgcaatct ttttgcatgt aatttcttat atacttagta gttggaatgg   240

gcactgtgtt atcttttcag gtctaacacg ttctttttgtt ctgcaatatt attgcacatg   300

atttcttaaa taccgagtag ttggtagata ttgtttctttt aacagcata catactgcca   360

tgtgccatag agatatagaa ctgcttgact cctggtgtgc acaatgcgat tataactcaa   420

ctcactgtgc ttgaatctgc ggacttctga aacg                                 454
```

<210> 686
<211> 304
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 686

```
agctntgctg atttagttnt cacttacgaa aggttcaaag tgagtctgaa aagaggcaaa   60

tttaatcatc ctgcttgaac aaatgagaaa actggggcaa ataaagaggg tgagaatgta   120

gaagaaaccc atgctgcgac tgccattcct atacggncaa gtttcccacc aacccaacaa   180

tgtcattgct caaccaataa caacccttct tcttacctac cacccagtta tccacanagg   240

gccatcctaa atcaaccaca aaacccatct tccacacaac ccatgctaag caccacctttt   300

agca                                                                  304
```

<210> 687
<211> 314
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 687

```
gcttctctgg gacctangca naccttcaac tcatccttca cgatcaaagt gtctactcgt   60
```

282

cattggtcgc tntcctccct ccggagctta agctcgctat ctcagttcgg cattntcctt   120

ttggatctta agagttgctg attngaacct ttattttgac cgttgggctt gctcgagtcc   180

tgccctaagg gactacacct cttcatcttc ctccggtgcc tcaacttcct cccctttgc   240

gtgtgggatt tcagccactt acggtagcct ccaatgggcc cgttgtctnt gtctttcttt   300

gcattatttc ccat   314

<210>   688
<211>   120
<212>   DNA
<213>   Glycine max

<400>   688

agcttgacca atcccgaccc aacccgggca tattcggtca gtgagaacat gtgacgtacc   60

taagcaggcg agctcctggc agtcaacaga taaaaggaaa acacgaccac agagcaggga   120

<210>   689
<211>   224
<212>   DNA
<213>   Glycine max

<400>   689

cttcaccttc ttgtcttcaa cgtgaactat gaccattgtt ctatcttccc gcgatgcttc   60

ttttcatgtc cgcctgagtg ggcttatagc ctaaaccata ctctccacga tttgcttgtg   120

tatttatcag gctagttatg ccgacgttgt atttgctata cccatcctgg gttcataacc   180

gttccccaac ataactcggg ccatcattac cgctgcatcg gaca   224

<210>   690
<211>   209
<212>   DNA
<213>   Glycine max

<400>   690

tctgtgtggt ggtcggcaga ggagcataaa ccacacagtc tggcgacagg tgcagatatt   60

tgagtcatgg ccagttgggt taccaggtta accaaggcat ctagtttacc ttcaagcttc   120

ttagtctcac ctgatgaaga tgaattcatg gctacttcaa gcactcctct aatgacaata   180

acatcatttc tggcactgaa ttgctggga   209

<210> 691
<211> 386
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 691

```
accaagtggc ctagaatttg atcctggctg tcgacactct ttaagtgaag agccgcacgg    60

ttggggagcc tatcctgtgc cagcatgcaa gcttaaaggg ctgttatgta agggagcggg   120

ttacgcatgt aatataaaac cattggtgtg ggattagcct acaactaatg ctattctagt   180

tctctagata ggtgggtgac aggcattgga gacggcgaaa aagttaacta taataccgca   240

tcatactaat gaaaacttcg catgctcaat gaatgcttaa taagatatgt ggctgcacaa   300

gaaaagtgac acttacgang accgcgtcta tagatcgact cttgccggat ccttgcattg   360

cgtctttata acgcatacat tctgac                                        386
```

<210> 692
<211> 187
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 692

```
gcttatattg taattgttta agttgtaaga ctctcgaaac accttgtana tcctgagnaa    60

aaaaagatta ngtgcttaat ttgtatatct gtctataaga cattaaggct agtttatgtg   120

catacaaaca tcaacaactc tacntaattg ttagagccag aaatggctta atagtcaaag   180

aatactt                                                             187
```

<210> 693
<211> 614
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 693

```
tcgacacttc anttctccat tgtatactcn cganatcata attcntntac tggctactga    60

cacncaaacn annacccgaa gaganaattg atgcgtctcg tacncgagat cctctaagtc   120
```

284

tacctgccgc atgccagctt gtggaagagg caaataacat attatgcgtg ttgctatata   180

actatctccc atctctcaat caatcctttg tatagtgtag gcttgtacac cacaaacttg   240

catatgggga gtttgaggag gtgtacaact ctatctttac gctgtgagaa ttgttcatat   300

tggctgtggc tatcctttgt gaacatgacg gtttacgtgt tgggcgatgg tgtgcgtgac   360

tcaccacatt tgctaaactt gtgaatgttc tctgatgtga cgatcaagat tacgattgtt   420

gctgcataac gggttctgaa ggatgtatac tgtacgggtg ntgactctta tctactctat   480

tccacagcac gcagcaccca agctacttgt cctccggaac cataaatcgt acgacgtatc   540

atacgttccg attgatcaat cgaatgtaac tatccacatc tcggttcgat catacctatc   600

accctaacta tacg   614

<210>   694
<211>   436
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   694

caagatgatg ggctcaacat atnaacaaac ccgctggcca atcatggagg ngggcggata   60

atgccataga tgtgagtagg ncgcaccggc ccatactttt gaaggatgga acgacctcca   120

gaaggtttat ctacgaagcc ctgtcaaaga cggtatgatt tcccgtgcca gagaacatct   180

ttgctaatgc attccgttgt actgcatgac atggaaacat gctcggcgga tagagatcta   240

ttgcacaaaa tgatacaaca cggctagcta gatgtcgtct atgatgggga ggaagaatca   300

catgttacat cgccgctacc aatgatcaag tgctcataat cctaatcctt ggtaatcatt   360

acctagacac tattccaatg acccaacacc tttgcatgat ggcagcaaca ttctattctt   420

acttatcgca caactc   436

<210>   695
<211>   425
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   695

agatgcatgc ccatctatta aatgttgcga gtataatctg ctctattatt ttacaacacc   60

cttgtttaaa gtgtttcggt aattatatat aatgaaatgg aaactttatg cttctatatt   120

tatgattcta tcgagttcaa ctgactatat accaatattt ttgtggtata aatgcactct   180

aaccatctta attattacta aaaaaatgac atctaagaca gattgattag aatatgtttc   240

atcaaattat ttgtaaaaaa atatatagtt taaaacgatt cttagaaaaa ttatttcaaa   300

aaaattattt ttgtaaaatg gtttttaaga aaatcgtatt agaatcttta aatctgttaa   360

ctttttttgg tttaaaaaag acattataaa acnggttctc taaaaatcgt cttagaaaat   420

ctatt   425

<210>   696
<211>   532
<212>   DNA
<213>   Glycine max

<400>   696

aacattcatc tccatgtact attagtgtag caacatgata ataatccacc cagcacgtac   60

atgatgcttc gtctcggatc ttatatcacc tgacgcatca agcttgagcg aaaagtgtga   120

agatcacact tcctactttt attcgcgacc acgagtggac ctggagatat gtcgccgggg   180

tcaagagatc ttggggaccg caggtggggt gctatcttcc aaaccaagct tgaccagtcc   240

cgacccaacc cgggcatagt ctgtcagtga gaacctgtga cgtacctaaa caggcgagct   300

cctgcactca accaataaag aataatgacc caatgcagga cgctgcgtgg tgctggctac   360

tatggtcttg gtgatactgg atatggctta gctaagatac ctcggatgta atcgatacaa   420

gctaaaatga aaccgcagct atattccttg gtatccaacc acggtggtat gttcaccctc   480

tataatggat ccgagttgca tctcttgtcc tcttctactg gacggcgtta tc   532

<210>   697
<211>   455
<212>   DNA
<213>   Glycine max

<400>   697

ttataccatg gatgaataac agcggctcag ctacatcaaa aactaccaaa agaaacttag   60

agttgacaag tattgcagct tacaaagttc attggatact ggaacaaaca aaggctcgac   120

taaaggaaaa agagtcattt taccttcaac ctttgttggg agcccatgtt acatggatca   180

286

```
actttatttt gatggtatgg caatatgtgg tcatgttggt ttcctaaatc tttttataac   240

tctaacatgt tatccaaatt gtcctaaaat tcgtagatta ctttcacctt tgaatcttaa   300

accaacagac aggccagaca ttgtctcatg aattttcaga ttgaaatatg aacaaatgct   360

ttctgactta ccaaagcatc agctgctcag aaaagttgtt gttgcgcgta agtttagaat   420

gatctttgct gttgaacgta gaaatcaatt gatca                              455


<210>        698
<211>        431
<212>        DNA
<213>        Glycine max

<223>        unsure at all n locations
<400>        698

gcttgtaaga attgcaagat catcttcctt gactacagtt ngaaaaagat cgccaccaat    60

ataaagagat gacaatttag agagtgatcc aagactttca aatggatctc cactgaattt   120

attagtagac agatcaagat atcttaatga tgaatgcttt ccacacgatc taagaagagc   180

accacctttt gtgttgttgg aagaatctat ccgctcaata tttttaaatg cacctatata   240

atctgtcaga tggcctgaaa gtcgtcaact ctgaacttga agtcttgtga gtccatggga   300

aatacattga gcaagaatct ctaacagttc attaacctgc tcggttgagt ttgagattcg   360

agatatcaat gtcccttaag tcgcagagat tacccaaaga agttggaatg ttttcttcat   420

gtcgatacct g                                                        431


<210>        699
<211>        381
<212>        DNA
<213>        Glycine max

<223>        unsure at all n locations
<400>        699

catcangaaa caatntcact ttaaaagtgg gtcccaattg gattcctaag tttcaactta    60

ccttttttgga agtgacatca tggcagttag gtcccagctt tccatcgtgg attcagtcac   120

aaaacaaact tcaatatgtt ggactgtcta acacggngat tttagattct attcccactt   180

ggttctggga accacactct caggttttgt atttaaacct ctctcataat catatccatg   240

gtgagcttgt gactacaata aaaaatccaa tatctatcca aactgttgat ctaagcacac   300
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287

atcacttatg tggtaaatac cctatctatc anatgatgtg tatgggttaa acctttcgac   360

caattcattc tctgaatcca t   381

<210>   700
<211>   389
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   700

agctntgagc canaatcatg actcaccata taccttgacc cagggtgaga atgccaatcc   60

ttaccctcgg aagcaaaaaa aagaagagaa cgaaaatttc caatcaaagg aaaaaggaga   120

aggaaaattt ccaatcaaag aggaagcaaa aaaggagaga aggaacattt ccaatcaaag   180

gaaaaagaga ggaaaggaaa ttctcaatca aagagtgcga gacagcaaaa agaaaagaaa   240

gataattccc aatcaaagaa tgggagatag aataaaagag agaagtataa aagaagactg   300

ctcctggtca aagaanacag aagaaatgtg ccgagaggtc cttggaccag acgatatctg   360

aacaatacag aattgtcacc aaatgaaca   389

<210>   701
<211>   346
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   701

aacacaccaa aagattatga tgatgcatgğ ctcaaattct caccactttc aaattgagct   60

ttcaaaacta tcatgacatg tagaagaaaa ataaggattt caaatcagaa aatgtcaaga   120

gacttttatt ttcagaacaa ttacccattt cttgaacata tcctataatt caaagaanaa   180

tatgcaaagt tgtacatgca aacagaattt gacctaaata ttaaactaga aacccaacat   240

acttaaaaac aaaactaaca aaactaacaa aactaggaat accaaactaa cttaaaaaat   300

tactaaacca aaaccaaaga acaagtcccc catacttaaa caacac   346

<210>   702
<211>   416
<212>   DNA
<213>   Glycine max

288

<400>   702

agcttggcat caaagcgctc tattcagcat ttgcactcca cccttctcgg ggatcttagc   60

agggtttttt taccaatacc ttctctctcc aatatttgct tgaaatacat tactttaaga   120

attaatttct aaattacacc attttctata gcaaagtcgg gttctgacat cccaacttga   180

tattttttta tcattctaca cattctctct ccattgtttt cttacaatac actactttat   240

atattaattc tcacactaga tcactttcaa caaattcacg aagatcgggg tcggacttcc   300

ctttttttatt tataaaacac tctatatatt attaaaatta aatattatat tatataaaat   360

tatttctaat taatatagaa tttagctatc tattaaatta atttatggaa tattat   416

<210>   703
<211>   434
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   703

tgataagtnt atgggctaaa cttggtttga ttaggggtga ttcataatta gtcatcaaac   60

aattaacttg aanagttaaa tgacttataa gagtaatttg atgaaaatac tttttttgag   120

ccacaagatt atacgaaaga tttgataata ttaaattcga gcagaatatg cttcctcgag   180

ataaaaataa agaagcaaat gacttgagac aaattgcttt tggttataaa atgaatgagc   240

agaattttga atctcttata gcggtaaaaa aatttagcag atgagttcan aatttttaat   300

acaaatactt taacacctct tgattgggaa aaaaaaatct ttggttgatt atctctaana   360

tccaagctcg taagtttata aaaaaagata aatatagagc attgaactat gctgatttag   420

gagatgacgt atat   434

<210>   704
<211>   420
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   704

gcttcttctt ggttctctcc ccattngaaa ccatcatttt tcttgagcac ttcattgaga   60

ggtgctgcca atgtgctaaa atccttcaca aatcgtctat aaaaacttgc taagccatga   120

aaactcctca cctcggacac agacttaggt gtaggccatt cttgaatagc cctaaccttc   180

tgctgatcaa cttgcactcc ttttgaactc acaacaaaac caagaaacac aacatggtta   240

gtacaaaaga tgcatttttc aagattggca tacaattgtt cttttctaag cacagtcaag   300

acagatttta aatgatcaat atgcaaatca agtgaagtgc tatagataag aatatcatca   360

aagtacacca caactacact ttctatgaac tctctcaaga tatggttcat taatctcatg   420

<210>   705
<211>   401
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   705

ntataagtgc gggtctggga gactaatgtc aagtgttcgc gatatgtgaa gatgatgttc   60

caagtacttc ggatttggtc cgaccatgcc ctcctgattt ccagctggga aattggcgag   120

tggaggaacg ccccggcatt tacgcaacaa gcataatgta aacctttacg gttttaaaag   180

ctctatagtt gggcctaggc ttcagagttt tcattttgtt aaggctttgt gtcttttgtt   240

ttttaattta taatacaagg atctntcttc atctgttcct ggtctctacc cattctcatt   300

catttgcatg tttacttctt tntctaaaac ggcagattcg atgacgagtt ccccgaagta   360

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<210>   706
<211>   421
<212>   DNA
<213>   Glycine max

<223>   unsure at all n.locations
<400>   706

ctcctacant tcatctctag catgcattnt tctttctttc tttacccact cctcacgttt   60

ggttttttag ggaaaaacat cataactaaa cgcgccacaa ggcatcccta tcgcaccaga   120

tccaaatcta taacgatggg tgatcaagag gagacacagg aacagatgac agccgacatg   180

tcggctctga aagaacaaat ggcctacatg atggaggcca tgttaggtat gaggcagctc   240

atggagaaga acgccgccac cgctgccgct gtcagttcgg ctgccaaagc agacccaact   300

ctcttggaac tgtgcccatc ctccctaagc gtgtaggacg ggaagggacc actgggcacg   360

290

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atggcaccct taccttgata caaccgagcg gctacccta ggatngccgc caactactca    420

c                                                                   421


<210>       707
<211>       450
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<400>       707

tcgtgatttt ctggcagcat tgtgataaaa gtccttttag acaaagctct cataacaatt     60

tcaggtgcca gtaagttaga aatgcatgac ttgatacagg aaatggattg ngaaattgtt    120

catcaagaat ctatcataga ccttggacga caaagtcaat attggaaatt cgagtaagtg    180

caagatgtat tgaaatataa catggtaaaa tggatattca actgctttta ttngataata    240

cctgtgcttc ttagaatgta tctagtatga tagacctgat cattattatt ntaatttttg    300

gttgtcatgg aactgatatt cgtgaaggca taactctaga tttgagtaaa ttaaccaggg    360

atctatattt gagctccaat tccttggcaa aattgtctaa catgagattt ctanaatcca    420

tgatttgtgc tacatgactt actgatttac                                     450


<210>       708
<211>       330
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<400>       708

agcttnnccc agtccatgag ccgctgaagt tactcttcta tcgnggngca ggtttccatg     60

tcgtgtgatt ccccgagatg aaacaaacat tcctcacttg tgccttcgcc acgagagacc    120

atgcatgttg cctgcagcga ctggtagatg aaccgtctag acatagccac atcttctaat    180

ctctctgact ctgacgacct attctttgtg atggcattta tgctaactcc cccatgactg    240

gctagtggat tggtttaacg ttggggccct cttcttgaaa ggatagtctc tccacactta    300

ttatgtgtag caccttatac ttgaatggcc                                     330


<210>       709
<211>       381
<212>       DNA
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291

<213>   Glycine max

<223>   unsure at all n locations
<400>   709

ttataagtgc gggtctggga dacgaangtc aagtggtcgc gatatgtgaa gatgatacgt   60

gctcatgcaa caattgttag ccatggctat acgagacatc ttgccaaaca aagttaggtt   120

agcgataact cgcatgtgct ntttcttcca tgctatatgt agcaaagtca ttgatcctat   180

caagtttgat gagttggaaa atgacgccgc aattatactg tgccagttgg agatgtattt   240

tccccctgct ntatttgaca tcatgattca cttgattgtg atctggacag agaaatcaaa   300

tgttgtggtc ctatttatct accgaggatg tacccggttg agcgatacat gaagatcgta   360

aaagggtata cgaagaatct a   381

<210>   710
<211>   464
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   710

agcttgagaa ggtggcaaaa agcttataga aactttaaca tgtatttact atggagtatg   60

aaaagagagg acttgaacag aggtaaggta taaaacacca gttctgtggt gaaagtaaaa   120

acgaaatatc tggctcacac ttgattcaat gaattgaata gctcaaggaa atataagcac   180

ccatgatggt tgtggcatgt acttcaacaa ttaattcaat atagaaacta taataattga   240

tacgaaataa aatgtgtgga aatattgaga ccatacttca natgagtaag taatatgcat   300

cttgaggttc caagtatata ttgatggctt cacagattca tcccttgaag ttaaaatact   360

aacaagcaat ttgaagatca actttccagg tatgtaaaac acagaattag gatcatctac   420

agtcttatat agaactgcat caacctagtc cattgattta atta   464

<210>   711
<211>   502
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   711

gcaccctttg aaccccctgan nnccctganc ccctgttgac accttgctat tcgtgacctc   60

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tggatactca gccttgtgat cactgtatca ccagcatatc tttcagctct attgaaagcc    120

tatctgcttc aaagaaaaat cgactcatag tcagggcgtt taacaaaaat cttctggaaa    180

ggactcattt ttgaattcat ctttaaggtg ttcagtacat gtatggngtg agacaggttt    240

ggaaaataca attgttccag accccaagcg agttaattac tgctcacagg ggggtagagt    300

tatgctaaat gtgtcagcag atggtacccc acgcaatgca natataatgt ccactatttc    360

cgatgaatac cagaagctga agtactctgt ctctcttgaa atatttcaat ttactttgtg    420

tgtgaacaaa gagaaacagt ccacacagat ggaacttgaa agaccagatc tgtctatacg    480

aatatatgag gagaaangcc cg                                             502
```

<210>   712
<211>   474
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   712

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gcttttttgga gtagaaacat gggaccaact cattttattt caaaaatgtt gtatctagtc     60

aaggtctaag attccataca agtttcctag cgatttctaa ttatgtgggc cattaagtct    120

atcatatgct gacaatagcc gagaaaccca tgaatttctt cggggggcgga gtaagtgtct    180

gccatcgcct tggccttggc taacaatcgg ggaagttcct gactcccgtt caaggtaaga    240

gcaaaccgat ccatccacat ggttgcctct tggtgaaaga gtcgatcacc cttcctctag    300

cctctttntc cgcgtatact tgggcatact cgtccgcgat cctatgctcg tgggccgtgg    360

ctagacctaa ctcttcttgg tacttggcga tgatagctag catgttggtc tccgtctcgc    420

atagacgctg agacaagctt cttttggacc ttgaacaggc aactaactcc tctt          474
```

<210>   713
<211>   427
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   713

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gtgcgggtct gggagacgaa ggtcaagtgg tcgcgatatg tgaagatgat gttccaagaa     60

ctctggattt ggtccgacca tgccctcctg atttccagct gggaaattgg cgagtggagg    120
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```
aacgccccgg catttacgca acgagcataa tgtaaacctt tacggtttta aaagctctat    180

agttgggcct aggctttaga gttttcattn tgttaaggct ttgtgtcttt tgaatttata    240

atacaaggat ctttcttcat ctgttcctag tctctaccca ttctcattca tttgcatgtt    300

tacttctttt ttctaaaacg gcagattcga tgacgagtcc cccgaaggta ctaatacctg    360

ngacccgtct atcaacttcg agcaagaaat gaaccanacg gaagatgaag gagatgagga    420

tgtggga                                                               427


<210>      714
<211>      289
<212>      DNA
<213>      Glycine max

<400>      714

atttcccct tcttcttttt aaatatacca tttataaaaa gggaaaaact tacgtagagt     60

tattaaccta tttgtggaga tttaaaacat ctgggttaag agatccatct aagagcctaa    120

ataaaatctg gaagacagaa caagggaaat gttaaaagaa gaagaagtga atttgcatga    180

atagaacgcg tgagagaaga aaaagaaggg acctcaattt gcccattggc tgcagcaata    240

tgaagaggag agtgacaatc atagagaagg gtcagagttc aagagagct                289


<210>      715
<211>      383
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      715

tcttctgacc cccgcgacat attctcaagt accactcagt ggtcaactaa taaaacgtgg     60

aggactgact cttttcacact ttctcacacc gagcttattg ggttatgggg cacccgtcat    120

atgtggtact aggtggcgat cgggcgatgg cgcanaacaa atatcccatt tccacaagcc    180

caggcataag cccaccatcc ccangtgccc acctttaaaa ttagttcatc accgggtccc    240

catcaacctc tccaagcttt cacaatatct aaacaattca attccatttg tcatgaaact    300

accttaaaaa cagagtgaag gtagaaatct ttacacaaga ttcattcana ctccacatag    360

tttttccaac ccacatacct cag                                            383
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<210>   716
<211>   69
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   716

agcttgaagg tgtgtaaccc accattttcc atattatata tactggnaac gtgtctacta   60

tcatggaca   69

<210>   717
<211>   240
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   717

agctntgtat aatgagaatt gtccttcaac aagctttgaa anttggcatc tgaagtctga   60

aagctctang cagataagtc tgcaaaagct ggaagtggtg ctgaagtaaa agatgcaagg   120

atgccagcta ttggtgcana ggaagaggga gcatcagctg ctctgatctt ggtcttcctt   180

gcctctagaa aattaactgg ttggtcattc gcattccaac angttcttat gatataagct   240

<210>   718
<211>   461
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   718

agcttggttc aaccncgtaa tccaaggaat ggaaattctg attgccaata cttcaacaac   60

atctcatagg gatgaatgac tcgggcatac tttaagctta tgcacggaaa atgtaattat   120

gaaattgaga tgcccgaaga aacaccattt cctagttaac catgcattag gtaccatgtt   180

caattatttt gttttgttgt tgtgtgtttt tttttagaa atgggtttat gatcccaaca   240

tggttggctc atggtgccta acacatgcaa ctaagaatgt agtgtgaagt ttcacgcttc   300

ccctttttttg tttttgtttt gtagaggaaa acgcaaggat gagcaaacat gaaaacaaat   360

ggtatgcaat tntgcagatc aaaaagtttg ttgaacgcat atgcatgatg atgccatgac   420

tcatgcanaa tgtgaggctg gaatatgata acggacaaat g   461

<210> 719
<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 719

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ttgagggaga atgttagata atatgttttt tctttaataa ctttcttaat atacatcgta    60

gactatatta acacattcta agtaatcgat tacgatttt tttattttt tattttatga   120

tgaatttcat gctgatcaca cacactttt cactcatata atgagactaa aagaataaaa   180

tatacgtata cacgcaatat aaataatgga aaggaatata aatttactgt gagtcgacac   240

tttcaattat ttttatgaaa tatatcaata aatattcatt atcctcaatc aattatgaag   300

tttttagacg aattttctcc ttttctttgc gagacttctt tcatgtcggg cgatggctct   360

cctttcaaga tgattattct tatttcanaa acttttat                          398
```

<210> 720
<211> 516
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 720

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ccggtnatat ntttgaaacc ctggagtttg gctttaccat cgatnaccca cannanaaan    60

aanaacacat ntttgatgaa acacgatgac acaatcacaa cgacttgtgt catgtattgt   120

actacggaga tccttaacga gtgaatctct ctctaggaga cacgtatgga actgtatgaa   180

tattacgcat acctacttta gagcgaagct ctactgcttg agaagacaaa ctagatattc   240

acacaacccc atcttgatat gtttagctca cccgatgaca tattacatgt taagtgtgct   300

gaacttctgt tgtgctgaga cacatttatt gactctctat gataccgtcc tgcgctatgc   360

acaggttata gagacttatc ggtgacctgt ctaacgaaat gccagttgat atcgtgtcat   420

ctataatcgg gcttatgatt ggacacgggc tcgaaactaa cgtatggcga agacaacatg   480

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```

<210> 721
<211> 391

<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   721

atcttaagtc acctgccgca tgcaagcttg cctcanagag gtccaggaag gacatggcat   60

ccgaaggaac tagttccgct ccggagtatg acagtcaccg ctttaggagc gctgtacacc   120

agcagcgctt cgaggccatc aagggatggt cgtttctcca ggagcgacgc gtccagctca   180

gggacgacga gtatactgat ttgcacgagg aaatagggcg ccagcggtgg gcatcactgt   240

gtactcccat ggccaagttt gatccagaaa tagtccttga gttttatgcc aatgcttggc   300

caacagagga gggcgtgcgt gacatgagat cctgngtaag gggtcagtgg atcccgtttg   360

atgccgacgc tatcggccaa ctcctaagat a   391

<210>   722
<211>   289
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   722

tgctatgtgc tcgcgagtgg cacctctctt cccttcgcag cttgagttca ctattgctac   60

cccatagagc tccgcgaaga ttattccggc catactcttc cttgcgagcc ctcttggact   120

cttggtcaag ggctcttgcg gtaattgcat tctcttcccg taacccggca cactccttcc   180

gaatgtgtgt agcggccaac ttgaacttct ccttggcaag nttcgccttt cctaactcgc   240

ttttgagagc tcggacttct tcgacctctt ccgaggcttc aaactctct   289

<210>   723
<211>   296
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   723

atgcaaaagg tacgtatagc aacgtgcctt ctattcggtc aagcagactt gcacttcaac   60

ttatcatatt tttttcttct taaacaacat ttttatccta aaataaaata aggactctgt   120

aattntattt tattttaaaa aaatattttt aaatctcata tatttaaaag agatgatgaa   180

gtcagagtaa ttgattatgg aatttaaaaa tccagtttat aaaaaaaatg tgattatccc 240

atcgaatttc taaaaaaaaa catgacacat cagtgggtta ttaatattat tgggat   296

<210>   724
<211>   125
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   724

gtatgtgntt ggtatttatg ttaaatataa agnttaanna taanaatgag agtttgtatt   60

aatatttaat agtatgtaag gngatgaaaa aaataaatat ataaataaaa tgaattnatt 120

attag   125

<210>   725
<211>   392
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   725

agcttcttga ggaagcctct taatgaagct tcttgaggaa gctacatgag ctgccttggt   60

aaaaacgttg cccagccttc gataaccgtt ggatcttcgt gtaatttggt ttgcagcttc 120

acaagacaat tgtacacgat ctgcctgttg ggatctttga aagatgtct ggagtgtgtg 180

tgaagcttcc gttcccgaga gaatttctca tttaagcatt tcagcctttg ctttcgtgta 240

gcttaagaat tccttctcct ttctttcttc canagtcatt tctaacgccc caagcatttt 300

ctccatcacc cacaaccacc attagccatc acanaccgcc attgttctcc attgagaccc 360

acattgaaag gaacccttca accgaagcgg aa   392

<210>   726
<211>   447
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   726

ggaaggtttg tacatgacca aatctttagt taatcgtctt tacctanaac agtctttgta   60

tttgtttaag atgcatgaag atagatcact aggagaacaa ttggatttgt ttaataaact 120

298

gattctagat cttgaaaata tcgatgtcac tatatgatga tgaggatcaa gctttgttat   180

tgttgtgctc tttgcctaag ggttactcta atttcaaaga gactntattg tttggaagag   240

actttgtttc tcttgatgaa gtgcaggctg ctctgaattc aaaggaattg aatgaaagaa   300

aggaaaataa gtcctttaca agtggtgaag ggctgacagc aagaggcaag accttcatga   360

caaatagtaa atctgataag aagaagcana agccagaaaa ccagaagaat ggtgaaggaa   420

atgtcttcan aatcagaggt catcact   447

<210>   727
<211>   329
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   727

gatggtgaga ctgactctaa atttgatttc tgtggaccag tcttagtgct tttgaaattn   60

tatcaaaata tacccattgg ttttttatta aattgcgctt gaattaaact agataaattt   120

tgcaatgaat tctctattag agccccttgt gagatgaggt caaattaagg tccatttgtg   180

acatacaagg tggctgccct attgtgcaaa ttgggtttgg cagtgtgtgg gtctctttga   240

ttttgagtct ttataagggt cgaaatgttg tttatagctt cttaaattag ctcataaatt   300

ctttctaacc atgtctatta gaaaaatta   329

<210>   728
<211>   429
<212>   DNA
<213>   Glycine max

<400>   728

agcttggtgg agttcaaaga gaatcgtaga aggttcgggc taagatataa gcctacacgc   60

accgacatga agagaaacac cctataaagg agaggcagaa gtgtgggcca ccagcaagga   120

ttgcaagtaa aaggaactcc cttatgtcac atcaacaaga gttttgtcag cgcacgctgg   180

atgtgtgagg ggtgggttgc catgatccat gatgaagtcc ctcaagagca atcaaactgg   240

gtgcggccat gccctcctat gttcgagttg ggaaattggc aaattatcaa acaacccaca   300

attttgtggg caaacataat gtaatttggt aatccaaacc ctatagctga gcctcggctt   360

gtctttttgct attagatata tataaaatat aatctggctt cattttttct tgcactttca   420

tccctattt   429

<210>   729
<211>   265
<212>   DNA
<213>   Glycine max

<400>   729

tctttgagaa aacttccttg agaagctaga gcttagctac acttacccct ctcataacta   60

agctcacctc cttgagaagc ttccttaaga agattcgtaa agaagctaga gcttagctac   120

acatacctct ctaatagcta agctcacctc cttgagatga gaagctagag cttagctaca   180

cacccccccat aatagctaag ctcacccccca tgacaaaaaa catgaaaata aaaaaaaagt   240

ccttattaca aagacaactc aaaat   265

<210>   730
<211>   254
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   730

ggcacctcac ataacctgtt attctctngn ccaagggaaa gatttggagt aaaactttgg   60

aggtccacga aacagacgac aaattatttc taatgtataa taaatacttt tagtttgata   120

tattttttta aatgaacgag aaaaaaatga tagattaaca taaatggaat gttctaacac   180

cccagtgccc ggaggcttcc cgctatacga aggtatgtgg gaggggtatt ngacacagac   240

ttacccttgc ctat   254

<210>   731
<211>   559
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   731

ctcgtaactt aactcggctt cgtactcgca actgngctcg tatttctatc ctatatgtta   60

tcncacacgc tgtgtatttt gttgattctg ttcgaacccg ngatcctata natagacctc   120

300

```
acgcatgcca gcttaaatac caccagcatc aaagatctat ggtctgttga cggaacctct    180

ccaaatgcga tctttccgca agaattacgg aaagatctta taattgacct tagccgacgt    240

atccatgaag ccattgcgac actcaaccta ttatacgacc agcctttgaa atgttttcat    300

tcggagactc tcatctaccc cacccatgga aatttgagaa actttaggtg cctctccggg    360

gaaaaaacat attttctttc cggggctccc tctttgacca attgccctgt ggcaaggttt    420

agaaaaggtt gaagattaaa acactcggga cggctggtgc cccccggggg actctaaaac    480

tggaagggtt ggcaccaagg atgggccccc ttttggggga ccctctattt ttggggggcc    540

ccttcacccc cagcggtgc                                                  559
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<210>   732
<211>   329
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   732

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gagaaaactt ncttgagaag cttctttgag aaaactttct tgagaagcta gagtttagct     60

acacacaccc ctctaataac taagctcacc tccttgagaa gcttccttga gaagattcct    120

aaagaagcta gagcttagct acacacaccc cctataatag ctaagctcac ccccatgcaa    180

aaatacatga aaatataaaa aaaaagtccc tattacaaag actactcaaa atgcccttga    240

atacaaggct taaaccctat actactagaa tgggccacat acaaggccca aaagaaggaa    300

aaccaattcc tacatttacc aagaagaat                                       329
```

<210>   733
<211>   470
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   733

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acactcttag gatttgccta gtttacattt cttgcttaca ttcataatag cttatttcct     60

ttaccttcca ttgtcaaacc gcctagatag ctttcctttt accaattagt tntttacctt    120

atctttcaca cctctttttag tgtttatttg gctagnttca accatagttt cttttacctt    180

ttgttntcaa acctccaaca agaaagaacc acaacttagg aaccaatatg agtcatcatt    240
```

301

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catctagtgg taatggcaag ggtactagtc ataaagaccc tttatctaga atcttagatg    300

agttgagttc cctcacgtta tggaaagaan aacaagagag aaaagaanaa ggaagaataa    360

gagtggaaga aataaatcat gatgaaagaa agacaatatg agaggaagaa agaagaacaa    420

taatgaaaga aatgaanaga gaaaaacatg cctnctatag tagtcataac                470


<210>     734
<211>     429
<212>     DNA
<213>     Glycine max

<223>     unsure at all n locations
<400>     734

atgatttgga ttatcctcta nggcaatcag tattcagtat tttaaattcc ctctcaaaaa     60

attgcaggct tggtggcggt gccacaaagc tgccatatat tataagaggc ttagtagagg    120

tgcaatagtt acacaatgca gatggagggg gcgcatagcc aggaaagaac ttatgaaact    180

gaaaatggta tgttttacca tgattcttat acattaagta gatccttcag aaatagatga    240

caaaagatgt aacacgtcca tcctacaaaa cttatggcac aaaaagcaaa agatactatt    300

tgatcaattt ttaattgtaa aattgagttt caaattatag atatatacaa acaatattca    360

tatttttgt ttcattatta tcttcatgaa gggaaaaaca atagaagaac ttanaattct     420

cttctgatc                                                             429


<210>     735
<211>     371
<212>     DNA
<213>     Glycine max

<223>     unsure at all n locations
<400>     735

gcttattctt ncatggctta tttcctagag gatggtgcct actctcacct ctcctccttt     60

atctttcgtt gtaactccat ggctgaanat caccattgaa ggacctcatt aaagctcaaa    120

gatccaacct ttataaaagc ttctcaagaa agcttccatc aggacttttg gacatcatag    180

tgcctacagc tgaggcatca aggatcatct tggttngagg tttcatacca ctatggaaga    240

tatgcatatg tgcactgtca tcanagttat ggtttatgca cctctgcaac aaagctttaa    300

atctctccca tgtctcacag agaggtttgt gagatccttg ggataaagtc atgatgaagg    360
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302

ggtttacact g   371

<210>   736
<211>   335
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   736

gagaaagtgt ggaagagtca gtcttcctac ttttattcgt tgaccacaga gtggtacctg   60

gagatatgtc gcggnggtca agagaccttg tggacgtcaa gtggggtgtt attgcccaaa   120

accaagcttg accaatcccg acccaaccca ggcatagtca gtcagtgaga acctgtgacg   180

tacctaaaca ggcgagctcc tggcagtcaa ccgataaaag aacaaagacc acaaagcaag   240

gaggcttgtg tggtggctgg ccagctatgg atcttgagtg atatatgggt tatggcctct   300

ggtaatcgat tacaaagggt gtgtaatcga ttaca   335

<210>   737
<211>   504
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   737

atccttaagt cacctgcggc atgcaagctn gttcgcacat cgntcgcgtg tatgacatcc   60

actccacaag gtttgaagta gaggagacct tcaatcctat tacgcaacgt ggcggacaaa   120

aatgggcagt taacttgaat ggtcattatt gtcaatgcgg aaggtattct gcgcttcact   180

atccatgttc acatattatt gcagcttgtg gttacgtgag cctgaactac taccaatata   240

tagatgttgt ttatacaaat gagcacatct tanaagctta ctccccacaa tggtggcctc   300

ttgggaatga agcggctatt cctccttcta atgacgcatg gacacttatc catgacccaa   360

ctacaattcg tgcgataggt ccggcaaaat caacaaggat aatgaatgag atggattgga   420

tcgaaccatc tgaccaccga ctaaaatgca gtagatgtgg agccgaaggg cataacangc   480

gtcgctgccc atgcaatctg agcg   504

<210>   738
<211>   411
<212>   DNA

<213>   Glycine max

<223>   unsure at all n locations
<400>   738

ttcaccgacg aaaggaccac agtaggtcta ataagagaca aatctgatca tcatgctttg   60

atacatgcca aaaaaaacta cggcaaatga agagggtgag aatgaggaag aagcccatgc   120

tgtgactgtc attcctatac agccaagttt cccaccaacc caacaatgtc attacttagc   180

caataacaaa ccttttcctt acccaccgcc agttatccac aaaggccatc cttaaatcaa   240

ccataaagtc tgtctaccgc acttcanatg acgaacacca cctttagcac ataccataaa   300

caccaaacaa gaaatggaat ttgcagcgag aaagcctata gaattcaccc caattccagt   360

gtcctatgct gactngctcc catatctact tgataattca atggtagcca t   411

<210>   739
<211>   420
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   739

agctctcatc tagccaagaa tttacaaaag tgttacaaca taacctaacg atttctaatt   60

atatgggcca ttaaatttat catgtgttga cagtaattga ttagcccgtg aatttcctct   120

ggggctgaac acacttcggc catgggcctt gctttggcta gtagtcgcgg gaggtcttga   180

cttccattta aggtcaaggc gaacctatcc atccacatgg tcgcttcttg atgcaatgca   240

tcaatcaccc tccctcttgc ttccttctcg gcgtatgctt gtgcgaagtc ctcttctatc   300

ttttgctcat gggtcanaga ctgggttaac tcttctttgt actgtcctat tatanctagc   360

atgctctgct ccgtggcttc taagtgttgg gccaaacttt tcttggatct tgagcaagct   420

<210>   740
<211>   427
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   740

tgtatcgatt cgctcctagt caggatcaca tcatcttgct cctttctttn tcatttaact   60

tttggtcttt gtttccttct ctctttatat atgttttggg gtataataat tcatatatgt   120

```
atgtatgtgt cggaacctac ccttcggtaa gagggcgagg cgaaaagcca aaggagcatc   180

ttccaaaaag gaaaacccgc gggagtcgcc accaacgttt actctaggaa aacattagaa   240

aaaccaaaaa aaaaaggtcg aaggtctgca aattttgaaa atgagggttt gggagttgtt   300

tacacacgag gaaggtattt gcaccccacg cactcgtcac aagggatggc aacctttaat   360

cgagtgtgca naacatgaac ttcaaaatgt gtattttccc tttcatatnn gtttttttat   420

ttctttg                                                            427


<210>      741
<211>      500
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      741

ttaagtcacc tgccgctgca agcttatgat tttttanaaa ataattactt ctctgtgagt    60

ctccatgaac ctaataaata tgaggagaat gaagatttgt gagtctccat gaacctaaaa   120

aatctgagga gaatgaagat tggggaatga attataaaat tgtgatcctg tcttttataa   180

acctaaactg acccgctntt ttcaggaaaa aagataagaa tagttaaact ttgcccgtat   240

catacatatc actctaatan aaaataaagc attggagaga ccagaacata tgagatatga   300

atcgaattct tatgcgttta tactttacca taaaagtcat attcaatatt atgtgaacca   360

ttgatntaga tggctttntt cttaataact catcatttaa cagagttcag aataatataa   420

attgatgaat aaatcacatt cgcgcttctt atatactgaa cctattaatt caagccttaa   480

gctaatataa gcaacatttc                                              500


<210>      742
<211>      412
<212>      DNA
<213>      Glycine max

<400>      742

aatgtaataa gttaaacata aagctattga ttgccgtaat caattggcct aaaggccaag    60

tagagtatat taaatttcag gcaaaccctt atttcgaatc aactggaagt cgatcagcaa   120

atcttttaaa ttaacgaatt tgcctacttt caggaaggaa aaaaaaaaaa agcagtgtaa   180
```

305

tacctaatat atatctgaat ttatcatacg tatttgctac aattagattt tgtaaactgt   240

aaatctctct aatataattc ctttatgaaa gatgattgta acattaaaaa atatattttg   300

ggtcagcagc ttggatcttt ataggggtg gtgccaacct agttgggact actccctcga   360

ttgtatcagc tgtctcacca ttcatttaat aaataaataa ccaggatcaa tt   412

<210>   743
<211>   361
<212>   DNA
<213>   Glycine max

<400>   743

gagactatgt ttggcaaaga aaaactatga agaatgcgtt gccatggaaa aactacaacg   60

cctactctct tcaaaagaaa taaagaaatt tcaaaaattg aaaaaagata tgctgaagag   120

gtgaatgaat taaatgataa aatccaagag atagaagata aatattatgc aacagagaaa   180

tggtagcagc agaggaaaaa cactattaag aaattattgg agtacaagtg tgaggtgaag   240

tcccacatta aatagaagtg gaaaagttga gcaccatata agtgaggaga agacctataa   300

atctaagtct taaggttttg agttaaagtg tgggtattaa atcccttatc ttgttactca   360

t   361

<210>   744
<211>   386
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   744

tggtcaccat tntcaaggat agaattcata agactaagga aaaggattaa aaggaggtca   60

atgatgatga tgatgatgat gatgaagact atgtacctaa atatgaagag agacttggat   120

caaattctat aagtgaaaat taccagcacg acaaatatga tgaatttct actacaaatg   180

atcttgagtc acgggaaaga aagataactc ttgaaaattt tcaatataat gctaatatac   240

attattgtgt taataaatga gtggggtggt tttgtggtta ttgtgaaaat tntcaatata   300

ataccatagg aaattgactt cattntcttg atctatctac atctttctta anaaaaattc   360

aaattcactc ttttgtaana aaatag   386

<210> 745
<211> 244
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 745

cataaaaagt cttgtggaat tgattacaag gattnggtaa tcgactacca atgacaagtt   60

ttgaataaaa atcacaagat gtaactcttc aaatggtttt caggctattc tanagggtat   120

aactcttcca atggtttcca ttgaccacac ataaagagtc tataaaagcg cgaccttgag   180

tngcatattg agatctgagt acaaactttt acatctttta cacacaacct ttgaacatct   240

tctt   244

<210> 746
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 746

ggcttctaca atctcccnct ntttgatgat gacaaccctg atatcaagaa acacatgcac   60

atactttttc ctagtcgatt actcacttaa ttctccatat tctaccccctt tggttttgag   120

tttaagcttc acttgaaatt aagttaatta cttatgtgag ttcttgattt aatccctatt   180

tctctccccc tttggcatca acaaaaaacc aaagtgcgta acaaatataa aacatacaca   240

aataactaat catacacaag acattcattg aaaaatctaa accaatcatg aagcaagaaa   300

catgaataga tcaaatatat aaaaaccaca tagtcatata acataattca tatttgttca   360

gtcatactat gcaaataaaa gaaatactaa atgttcaaat gtcataataa tatagccaaa   420

tacacggcta gaaatcaaag tactaataat a   451

<210> 747
<211> 476
<212> DNA
<213> Glycine max

<400> 747

cgcgcgcgcg ctcttattag agaacggtaa cgtcttgtac tattatacac acgaaactat   60

atctacagga tgccacgtat gagtgattac ctcaataatc aggcgcttag actcgatctg   120

307

```
agagaggaga gacgtataaa ctcatcaact tctctaggat tgaagttctg atctatatcg    180

gaacattatc ttctgacgcg atacctgcat acactacgct cagcatacca gacctctctg    240

cattgtatac gacggaggtc ctccgagtac agttatcaaa cataacctat ccaattgaag    300

cacatggact tttcaataaa aagcacgaca attccattat tacacgtctg ctcattgaga    360

aagagatctc taggccgtag atatatactc tcatattcaa cttagatgaa tgtagaaaaa    420

atgtacttat agctgcataa tgatcatgtg ccggatctaa caatacacga gatgcc       476
```

<210>   748
<211>   337
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   748

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tctccaccat tntcttataa atagggggag aagtgaagag gaatttcgtt cagccctcct     60

ggtaattcag aatcacttaa aattagtgaa naaaattggt tccgtgaaga anatccaagc    120

cgaggcgctt ccgtaacgtt tccgtgggtg atttcgcgaa ggttttcggc cgttcttcga    180

cgctcttcat tcgttcttcg tcgntcttcg gtcttcaacc ggtaagttcc ctaaatcgaa    240

cttttcaatt cattctatgt acccttagtg gtcctcattt gcttttacgt gctttcattt    300

acatttcctt tacttttcgt acccccgttt gacgtgc                            337
```

<210>   749
<211>   489
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   749

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agcttgtctc agcgtttagg cgagacagag accatcatgt tagctatcat cgccaagtac     60

gaagaagagt taggtctagc cacggcccac gagcatagaa tcgcggatga gtatgctcaa    120

gtatatgcgg aaaaagaggc tagaggaagg gtgatcgact ctttacacca agaggcaacc    180

atgtggatgg atcggtttgc tcttaccttg aacgggagtc aagaacttcc ccgattgtta    240

gccaaggcca aggcgatggc agacacctac tccgcccncg aagagattca tgggcttctc    300

agctattgtc agcatatgat agacttaatg gcccacataa ttagaaatcg ttaggaaact    360
```

308

tgtatggtct cttatacctt gactagatat gaattccttc ttgaaatana atgagttggt   420

cccatgtttc tactccacan agcttgtgca aatcanatca ctcctacatc tcatctctag   480

catgcattt   489

<210>   750
<211>   451
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   750

ggcgaccagc tcgcccaggc gagtaagggt gcttcctcca gaagcaacaa ccttctggag   60

gaatcttcta gagggcccaa gtgggcctga ttgctatttg tacctccctt tttactaaat   120

ccatcccctt ctattttttt ggtaattctt tttccgtaac gttacgaaac tttacgaatt   180

tcgtaacgat acttattttc cttccgcaag gttacgaatc cttacggatt atgtatttac   240

tctnttttag ctntcgaaga agttacggaa acttacggat tgcgcanaaa cacctctttt   300

cgatttccgc cacattacgg aatttcacgg attgcgcaag cctgcttcct tttgattntt   360

gacaggcctc gggacttcat tcattgtgca accaaggacg ccaagtatct cgaagcggcc   420

aatcaaaggt tgtatatcat caaataataa t   451

<210>   751
<211>   141
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   751

tactgaccat tgataatatc acaagtgagt ttattcagaa attagagttt atgtctttat   60

cttgtgagag tgattctcct aaattcttga gtgattanag aacaccctgc ctgtatcaaa   120

ggactttaac aacctttgag a   141

<210>   752
<211>   131
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations

<400>   752

gattacctct ataatcaggc tcttagactc gatctgagag acgagagacg nataaactca   60

ttatcttctc aaggatagag tgtctgatat atatcccaac aatatcatct gaggtcatcc   120

ctgcatatac t   131

<210>   753
<211>   427
<212>   DNA
<213>   Glycine max

<400>   753

tagggggcagg tacgaacagg ttctatgccc atgatcaatc gatcaccacc cccgcgttcg   60

gctaaagata ttaaagaagc tctcctagga ggcagcctag tatctctaac tttgctcttt   120

aatttcctgt ttcatacttg ttctttttct tgaactatat cctgaattcg cctaagttta   180

tatgcaatta taggatttta agagaaaaaa tataacaatg aataacacaa ttttgtaaag   240

gattttcttc accaaaaaaa taataattac ctcgcttggg cgagtggcca gctcgcctag   300

gcgagcatgg ctatggtgaa aaacataaaa aggggagggg tgaagccatt ttcaccctat   360

tcttgcccaa aatcaaaacc ttccccaaga gcttacggga gccaccattg gcagcagccc   420

ccaagct   427

<210>   754
<211>   411
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   754

catcacatgt ggcactatgt ggcggtcggg cgatggtgca caacaagttt tccacatcca   60

caaatcgcgc ataaacccac catcccctgg tgcccacctc caactgagct cacgtactcc   120

cacgtagccc atattctcgt ttctctcaac accgggtccc catcaatcct cccaagcttc   180

cccaacattc aggtaattca acatccaaat catcacaaac taacaaacca agcaaaacag   240

ggcaaaggca gaatactctg cccaaaactc aaaccanaat cacagctttt tctcacttaa   300

agaccccagt aacatttcct tcattccaat tcgttaaccg gtggatcgac tcgaaaaatt   360

tactggaagt ctctagtaca taagcctaca ttntgaccgg tgggatctac t   411

310

<210>   755
<211>   268
<212>   DNA
<213>   Glycine max

<400>   755

catgcctttg acggcaaccg cccacacgcg acgtgagaga tcgacctccc tgtacagata   60

agcccccata cctgtcatga tatccttcaa gatatggata ttaacctggc ttacagctgt   120

cttttgggac gcccgtggat gcactcagtg ggagatgatc cctctacact gcaccacaaa   180

ttgatagtcg tagtacacgt gcactggggc attgtgtctg tggacgaaga aatcttggta   240

agatgcccat tctctatgcc atatgtgg   268

<210>   756
<211>   448
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   756

gcttgcatat aataatcaca gtatctgcat atttcaattc agtatatgga catgtgttct   60

tccttaagag agggtgttat ccctgttgaa gatcctgcat actacctgca ccaaaaggaa   120

cataacacag tcattaagaa tcagtgttct gagtatatca atgaattntg tgtccacaag   180

cctgtggcag aaccagtggc ttgtgtcaag ggaccaaggg attataattc ttcacgtatc   240

cagtcgtgct taaaagttgt ctcaaatgta gatgaagagg ctgatgttga acctacatct   300

cctgaanagg aagggataga atgtgataat ccagaatctg aaagtaggtg agaatctgac   360

atcaagtgct gttatggttg tgaaactgat atataattgc atgacgtctt atagcagcag   420

aatctgaagt gaaacttaat agcctaat   448

<210>   757
<211>   454
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   757

agttagggta gtgaatgata ttctgaaggc gtgttattgt gtaacccatt aataaagtgt   60

311

```
ctcgattntg cttataaact ctgaaatgtg ctttgctctt ttgctttaag attntatttt    120

attttggtac agaagatttt attttttga aacaacaagt attgacaact ttctggctgt     180

agtaaataga agaaggaaag tggaagaaat aggaaaatga taaactgcac ctccttttac    240

ttaatcttaa tgattctcag ttgttttgct tttcctcttg caattgtctg aaaccaaggt    300

ggaggtagaa gtttaaattc cataaagcac ttaaagaaac tatttaatat cctttgcgtc    360

atttcatttg gatgggaaag ctatatacat ttagctagag catgccatta ctgcataaag    420

aataccctaa ttaaggatag attatgagac acac                                454
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```
<210>     758
<211>     88
<212>     DNA
<213>     Glycine max

<400>     758
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```
tgtattgagc attcctttc tgtatcttcc gttttgctta gtttagccct gtaattctaa     60

tatagattaa gagagcattc agcttgac                                       88
```

```
<210>     759
<211>     172
<212>     DNA
<213>     Glycine max

<400>     759
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tcttacatat taccccattt atgtctcaag atttagtgat tcaagcttgg cctcttggtt    60

gagctcttaa catagtagag gaaagaaaac tcccgaaatg atggaagaag gatatgctgt    120

gaacaaaacc catatgttca agggagccac ctataactat gggaaggaaa aa            172
```

```
<210>     760
<211>     315
<212>     DNA
<213>     Glycine max

<223>     unsure at all n locations
<400>     760
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gcttcttatc caggcaattc ttgggggnga agctccttct tccttggctt attccctagn    60

ggatggtgcc tcccctatcc tcttctcctt tgccttccgc tgcatctcca tgatgaaaaa    120
```

tcaccattga aggacctcat tgaagatcaa agatccagcc tccatagaag ctccacaagc   180

aagcttccat caagttatga ccatttgaat ttctcgagat cttccgtggn tcaatttcgg   240

gcgtctccat atgtcatgtg cctgaatcgg acctccgtaa tataatttat gaccattcga   300

acttctctag agctt   315

<210>   761
<211>   410
<212>   DNA
<213>   Glycine max

<400>   761

gcagatctgg tcttcgccag tgaaaggatc aatgtgggtc cgaaaagagg caaatttgat   60

catcctacta tgacgactga gaaaactggg gcaaataaag agggtgagga tgagggagaa   120

acccatgctg tgactgccat tcctgtacgg ccaaatttcc caccaaccca acaatatctt   180

tactcagcca ataacaaact ttctccttac ccaccaccca gttatccaca aaggccatcc   240

ctaaatctac cacaaagtct gtctaccgca cttccaatga cgaacaccac ctttagcaca   300

aaccaaaaac accaaccaag aagtgaattt tgcagcgaga aagcctgtag aattcacccc   360

aattccagtg tcctatgctg acttgtccca tatctacttg ataattcaat   410

<210>   762
<211>   449
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   762

gcttaataac aatgcctaag gaggagcatt acatagcacc catcttggtc ctgttaggga   60

taaacatgtc gttgaagtac attcaacatc tggttataaa ggacttttac catggcatac   120

tacagtgact aacactgtat tcagaatcat tntcatccct tttatgaact tccctctttt   180

ttatgaactg ccctcttttt tagtctttgt ttcccacctc ttaaacatct gcattntccc   240

atttaggttt cttgtttttg tgaggaatgg cggaaattat gttttatatg gacaagactg   300

ttggttggaa ttggaatgag aatcaacatg gtgctcatac ttttgttttc aaataaataa   360

aagtgggcat gctactaata tttaatntat tatggtgctt ctattaataa agtacacctt   420

gttaggaaac caaaatatag aacagaaat   449

313

<210> 763
<211> 287
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 763

tcttatccaa cgctcatctt ggtggtgaag ctccttcttc catggcttat tccttaatgg   60

atggcgcctc ctttcacctc ttttcctttg tcttccgcta catctccatg gtggaaaatc   120

accattaaag gaccccattg aagctcanag atccagcctc catagaagcc ccacaagcaa   180

gtttccatca gaatgtccac gtctttagag ggctacacgc ccatgccttc agaggactac   240

acgccctcgc cttatgagga ctacacatcc tcacctttag aggacta   287

<210> 764
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 764

ctgtgagaac ctgtgacgta cctaaacagg cgagctcctg gcagtcaacc aataaaagaa   60

caaagtccac gaagcaagga ggcttgtgtg gcggctggcc agctatgtat cttgggtggt   120

atctggaaat tagcctctgg taatcgatta ccattcatgg ataatcgatt acaggggtta   180

aaaatggaga caggatggta aatggcctct ggtaatcgat taccaaggga gtgtaatcga   240

ttacacaggg tgatagggca ctggtaatcg attaccagct gggtgtaatc cattacacag   300

ggtgataggg cactagtaat cgattaccac ttatgtgtaa tcgattacac agtgtatttt   360

ttaattttca atgtgcanag gctgtgtaat tcgtttttgg caccggtaat cattacatac   420

tttggtatcg atacc   435

<210> 765
<211> 318
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 765

314

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tcatgatgat gaatgaagtt gattcaagta gttntgatga tatctaagat gatgacaaan    60

agcccaagag aatgatttca agattgagtt aacaagattt atgaatcaag agaagtttga   120

tttcaagatt caagagaaga tgaattcaag attcaagaca agaaatcaag aagacttcat   180

aagggaagta ttgaaaagat ttttcaaaaa acaaacatag cacaattttg tttttcaaaa   240

gagctcttct cagaattgtc taagttacca gagttttttac tctctggtga tcgattacca   300

attaactggt atcgatta                                                  318
```

<210>   766
<211>   395
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   766

```
agcttctaac cttttccttc ctttctacca catatgtgga gttattccac atacataaaa    60

ggccaccagc agcttccaca gatggaacaa aatcccaatg accagtggag tctcccgaaa   120

tggcctggca aatactttta ttaaagntct ccctcttggt ttcttggagg cagacaagat   180

gcactttgtg cttacaatga gccttctaac agcagcccac ttgactcccc tcccctaacc   240

tctagaatta taggagagaa ttatcataat tgctgagatt taattccctt ttctgttgcc   300

atcaaatcat ctttattctc catatgcagc agtagcccct taaccttgct atcttcttnc   360

ttataagaca agcccatttc cttcaagatg tcaca                             395
```

<210>   767
<211>   432
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   767

```
agctntggag tttccaagtg ccaattcgtc ttcttcttta gtccagtctt cttctggctt    60

caatccatca gtgggctttc cttctgtgtc cagcatcttg ggatgttccc agcctttgat   120

gacagctttc caggttctgc tatccagtga tttgaggaag gccaccatcc ttgctttcca   180

gtattcatag ntggttccat ccagaattgg tggtctgttc actggtcctc cttctttctc   240

catgttcatc agaatttatc tccctaggtc tcactcagtg atttcgagtg cctgctctga   300
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315

taccaattga aattctgata ccaatgccag atgtcgtaca ggatgtcacg acatcacgct   360

tcagaacatg cagattatct ctgagtggat gaacacgata aacaagtata taacacaaga   420

gaattgttta cc   432

<210>   768
<211>   429
<212>   DNA
<213>   Glycine max

<400>   768

tgtctcagcg tctatgcgag acagagacca acatgttagc tatcatcgcc aagtaccaag   60

aagagttggg tctagccacg gcccacgagc atagaatcgc ggatgagtat gcccaagtat   120

atgcggaaaa agaggctaga ggaagggtga tcgactcttt acaccaagag gcaaccatgt   180

ggatggatcg gtttgctctt accttgaacg ggagtcaaga acttccccga ttgttggcca   240

aggccaaggc gatggcagac acctactccg cccccgaaga gattcatggg cttctcggct   300

attgtcagca tatgatagac ttaatggccc acataattag aaatcgttag gaaacttgta   360

tggtctctca gaccttgact agatatgatt tctttttttg aaatgaaatg agttggtccc   420

aggtttcta   429

<210>   769
<211>   466
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   769

gtcacctgcg gcatgcaagc tngagaatat caatgcgtca nagtcgctat ctcaatcacc   60

tttgtttgaa gatggagttg tatcaactca caatggagat gggaggagat ctccatgacc   120

acatcaacaa gttcaatcgg ctagtaagtt aactgttgaa tgtggatgat aaattctcta   180

atgaggagca agcgctcttg ttgttggtct cactaccaaa gtcttccata gctttggttc   240

aaacgttgct tgtgggaaga tcaactttga atttggatga ggtgactgtc gctcttagag   300

aanatgatga gaattgaaaa tgctgatgat gaacacaatg caatagctgt gatggaatct   360

gagcgaggga ggaatcattc aaggagacat gatggtctaa gaggaagatc acaatcgcaa   420

tcgcatccac aacgagatat gagtaacatt cactgcttct attgtg   466

316

<210> 770
<211> 345
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 770

ctgaggatag agacttccta agctatatat cttctctctc anataagttc tctaactttc   60

tagctatctc actctaagaa gtggattcac tcttgtcttg gatggttagg aatgaaggct   120

cctacccttg tttatactac tccacctcca caatgaatgg tggagattac ttgtatccta   180

gggtggagat taattctcta gaattctcca cacattctag gagtctctac acttttctac   240

tctctttcat atcattccat aaggtttcag aaggttccac acatctccaa aatatttcag   300

agggttccac attcttccac aagcttctag agagttctac actac   345

<210> 771
<211> 465
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 771

agctntgcaa ctcagacacc tcaacaggag agatccgacg aggctgttgc tcctcttgag   60

cctacacctg cacaggttga accagtgcca gctgatccac attctccagt ggcagatcca   120

tcttctcccg aacttgaagc agctccccca tcttcaccta ttattatcat ctctgaagac   180

cctacagagt caacatttgg agaagctgtt gctctctctg attcccctgt tnttcatctg   240

atgaatgagg aggagacaca ggatcagtca caggattctt anattcctgt ccttctgttt   300

atgttgacaa ttatcataac tattatattn tagtacattg ttttagtgaa ttttggtgat   360

ggttatatat acttgtgttt tttgggggaaa gtacgatgca tggtttgaag catacaggaa   420

tagttaactt gatcttgatg aatatgtagt gaaacacttt tatca   465

<210> 772
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 772

tcattgcagt cttggaagcc agattagttc atggatgaga tccccacttt tgttgctcaa   60

cctttgcctg ttggaatgga tctggtttgg ttttggtttg gggttctcaa ttgaatttga   120

attcctctta attggttcct gcaaaattgt gtttttttgg gttcggttgt gtgttgtgat   180

aatgcaaaag gttgttaaaa atgattttta tttcattttt ttatgtgggg ggttgagttt   240

ctaggtgatt tgtatgaatg cacttggtct tggagaaaaa aaattgtgtg aattttagtt   300

ggaatggtcg aacagtgtga aaaagtttta ggttgcanat acacaactgt gggtgtgatt   360

atgccaaaag gtatattaaa caaattgaat tttatgt   397

<210>   773
<211>   468
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   773

ttgtcgtgag aaaaagaata cactccaatt catcacatgg taaatgaata acaatggagg   60

acaaanagta tatagcaata ttaataaata aataaaaagt atatagccat tgaacgttag   120

tgacaaattc aatccatgtc agtagtcgca tgacattcct ttttcttcta gaactgaacc   180

aacatcaccg aaaatcaaag ccattagccg aaagcanttt aacatagaaa cctataaaat   240

tgtgagttag ggtttagtga taggtcatgg tgagttgggg tcttggatcc ggttcaagta   300

tggacctttc tttccatttt ttttatcttg actctcatga attaatgggc cagcaacact   360

tgatttgtgc ttgatacatt atactaanaa ttagaaacct ataaaacctt ctcttttctt   420

tctcttttc ttttattatc tcttctaaat ttttctttct cctctctc   468

<210>   774
<211>   444
<212>   DNA
<213>   Glycine max

<400>   774

aaagatctca gttttctatt atataatgat ataaattagt ttaaaagtgc atcagatatc   60

agttttctat tttataatga tataaactaa aatacctgtt tttaacactg tcttcatggt   120

gtaaaggcac agctccatca tcaggttctt cgtcatcttg taccattacc gcttgatcta   180

```
ctattcctaa gttgtgaagc cattcttta acttcacaag acagcggtat tacattagca   240

attaggctga atcagctata tcaaatgtaa tgaaggaaac taaactaatg gagatatgta   300

tcttcactta ataacaacgg agtaacatga taaagaatca gggtttggaa cctaagttga   360

agtgtgaggt tggggaggcc aaaaagatta aatgatagac acaatactgc aaaattaatg   420

tgcaaacctg ctcttgcttg tcat                                          444


<210>      775
<211>      456
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      775

aacccatgga agctcctaat atctcccaca ctttgntggg tgggccattc ttggatggcc    60

ttgattttct caaggtccac ttggacccca tttctaccaa ctacaaaacc taagaagact   120

atattatcta cacaaaaggt acacttctct atatttgcat agagggtgtt tttcctaagg   180

actgaaagaa cttgcctgag atgttctaag tgatcatcta ggctcctact gtacactaaa   240

atatcatcaa aataaacaac tacaaatcta cctatgaaat ccattaagac atgatgcata   300

agcctcataa aggtgcttgg tgtgttagtg aagcccaaaa gcatcactat ccattcatac   360

acaccatact tggtcttgaa agcgcgttcc actcatcact ctttttcatc ctggattcgt   420

gataaccact tttaagatca tattttgaag agatat                             456


<210>      776
<211>      442
<212>      DNA
<213>      Glycine max

<400>      776

gagctgaaca cacatacctc tataatagct aagcacacct ccttgagaag agaagctaga    60

gcttatctac acacccccta taatagctaa gctcacccc atgacaaaaa acatgaaaat    120

aacagagaaa agtccttatt acaaagacaa ctcaacatgc cccgaagtac aaggctaaaa   180

ccctatacta ctagaatggc caaaatacaa ggcctagacg aaggaataac ctattctaat   240

atttacaaag ataagcgggc tcatacttag cccatgggct cgaaatctac cctaaggctc   300
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319

atgagaaccc taaggccttt ccttggatct ctagcccaat ctacttggag tcttctagcc   360

aatgcccttg cggggtaaga gtgcatcatt acttttcact cagatgtgcg attcaggcac   420

atcagatatc gagacgctcg aa   442

<210>   777
<211>   286
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   777

gagcccgagt agtcaaagag aagttcaagt ctatagccat canagtctga agagagtatg   60

atgaactaag ggacgtcaat atggccaccg atgaagcctt ggaatgagaa accaagaatg   120

ccctgaagga agaacacgac caatacaagt tttgaggggc tttatagggc aataatagtg   180

agctcatact ccgaagaggt gaaaggagtc atcacgggtc acaggtatga tctgtaagga   240

cgagctatag gcttgcctta tgacgagaag aaatttgtcc cgaccg   286

<210>   778
<211>   193
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   778

atcagaccac ttccagngtg ctggaactac ttcacactga tttgatggng cctattctag   60

ttgaaagcct tggaggaaag aggtatgcct atgtcgatga ggatgatatc ttcagaatta   120

cctgagtcaa ctttatcaga gaaaaatcag acacctttga agctttaatt gagttgattc   180

ttatacttta aag   193

<210>   779
<211>   281
<212>   DNA
<213>   Glycine max

<400>   779

tcacacttac aaaggatata tgggtccatg agggacctcg ggctttctac agagggcttg   60

ttccatctct tcttggtatg attccttatg cagggattga tctcactgca tatgacacct   120

320

tgaaagatct atccaagaga tatattcttt atgacagtgg tatggtatta ctgcaaccac   180

attatctctt gaacttaatg gatttatttt accactctga aatttttagt gacacataac   240

acatgtaaac tcaacctttg aacttaaata tgtaattttt t   281

<210>   780
<211>   247
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   780

ttcgctacta aagttggcga ctntgaaaat atttggagta gtttttaaca gattttatat   60

ggatatgttt gaattagtgt actatattca ttctatatat atgggcgtgt ctcaaatgaa   120

gtgcatcaat aagtgttcca gaaggtttac gagtaaagaa aagcccacgt gattccccta   180

actatttcgc gttcatctcc acgtgactcc cccaaggctg caactctact actaccatgt   240

gctagaa   247

<210>   781
<211>   118
<212>   DNA
<213>   Glycine max

<400>   781

agcttgttgg attatggcgc acccgtcata tgtggtacta ggtggcgatc gggtgatggt   60

gcatatcaat tctttcacat ccacaaataa gacatgaacc caccatcccc agttgtcc   118

<210>   782
<211>   260
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   782

tcagaccaaa gcaacatana atctatgtat ccgaaacccc tcaatctaat ggattgtcaa   60

gggttgagaa gtgaatatga caatgagcgt tatttggagc aaactctcac ctcacacaag   120

tctataacat caatctaaac ttgctcaaac tggatttaca cctaaaactc cacccgaata   180

aaatttgatt cctcatcacc aattttaccc tagaaatgac tcttcgttca ctacgtacat   240

321

ccttttcttt tattgcaaag   260

<210>   783
<211>   449
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   783

agctntgcgg aattggcctt cgctggcgaa atgatcgaag tgggtctaaa aagaggaaaa   60

tctgatcatc atgctttgat aaatgcaaaa aaactggtgc aaatgaagag ggtgagaatg   120

agggagaaac ccatgctgtg actgccattc ctatacagtc atgtttccca ccaacccaac   180

aatgtcatta ctcagccaat aacaaacctt ctccttaccc accacccagt tatccacaaa   240

ggccatccct aaatcaacca caaagcctgg ttaccgcact tccaatgaca aacaccacct   300

ttagcacaaa ccaaaacacc aaccaagaga tgaattttgc agcanaaaag catgtataat   360

tcaccccaat tccggtgtcc tatgctgact tgctcccata tctacttaat aagtcaatgg   420

tagccataac ctcaaccaag gttcatcaa   449

<210>   784
<211>   399
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   784

tattatgatt acgagctata aaaccaaact catatctaat gagtttagag ttaagttaat   60

tattttatat tttctctttt ttctgctcan agtaagatat aactttcaat tcatcttatc   120

ttggctagca aaggaagaaa tcaattcttg cacagtcgat tttgttttat agatttacct   180

acatggagaa acaaaagtca atttgaaatt tcattggtac aaatatttga taattggatg   240

cttaaatatt tctagcatta aatattcata aattgcatat ggcttctttt gactcctcaa   300

aaacataggt aacaaaatac attgcanatc caatgtagat tactggctca ttattatact   360

aatattgtta ttccaacgta gattgctana tatagtagt   399

<210>   785
<211>   333
<212>   DNA

<213>   Glycine max

<223>   unsure at all n locations
<400>   785

agctnggaag gatgcttcga tggaggataa gaaataggga gagggagaga gaggggggag   60

cacgaaattg aatgaataaa agagggagag aagtggaact ttgaagtatg tatcacaaga   120

ctctcattca tcagagttac aacaagtgtt acacatgctt ctatgtatag acttggtagc   180

ttccttgaga agctttcttg agaaacttt cttgagaagc ttgtttgata agacttcctt   240

gagaagctag agcttagctg cacacactcc tctaataaga aagctcacct ctttgagaag   300

cttccttgag atgatcgtac ataagctaga gct   333

<210>   786
<211>   200
<212>   DNA
<213>   Glycine max

<400>   786

gcttcacaat gacacaaggg agtgagactg tgactgagga gaggaggggt caggtctata   60

gggtgcgaga ctgaggagag ggaatgaaaa tctgtatgac gtgagagtga taacaacaca   120

tgatggccct ttacatgatg gttttaataa aaccgatgtt gagtatctca ttgtcacaat   180

ggttatgaca aaaaacatct   200

<210>   787
<211>   365
<212>   DNA
<213>   Glycine max

<400>   787

tagtgacacg agtagccatc ccatcctagc gagtgtccat cttatcaaga tgctcaccca   60

caaatgctcg aagatcgctg agctttgtga ggactctatt ccacagagaa caacaagcat   120

gccttcgtgg tggaggagat ggggtacgta catcaagaac aggtggtggc aagtcttgtt   180

agcgaactca ctgaccatta acatcctttc gataaccaaa ggaggtaaca acaccggcac   240

caatggagaa agacctttta accttgacat atggttcatc ctccaaagga acattggatt   300

gatgacgaca tagagtatca aggcggcgat acatgagagg tgcattgacc cgttatgccc   360

tatgc   365

<210> 788
<211> 117
<212> DNA
<213> Glycine max

<400> 788

agcttgtcgg ccacgattga cgaagggcac atgatgacga cgttagtctc tgcgtgttat   60

caagcttttc gtcttacaga tagcctatag tttatacgga ctaccactcg ggtattt   117

<210> 789
<211> 115
<212> DNA
<213> Glycine max

<400> 789

ctataaatct aagcttaaca tcagacccct ccaggtgtct gaactacttc acatttattt   60

gatggtgcct atgcaggttg aaagccttgg atgatagagg tatgcctatg ttgtt   115

<210> 790
<211> 61
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 790

agctntggta cctattgatg gatacctaat ttgttgatct aattnttagc attaacaaac   60

t   61

<210> 791
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 791

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ggatttacaa gatcaagtat cgcgctgatg gctcgattga aagatataaa gcacgtntag   180

tggcataggg ctacacgcag atggagggtc ttgattatct tgatacgttc tctcctgtag   240

324

catagttgac taccggtcgt cttcttcttg cccttgctgc cgtgaatcaa tggcatctgc   300

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aggttccacc gggattgacc gtttcacatc ctcaactggt atgtc   405

<210>   792
<211>   411
<212>   DNA
<213>   Glycine max

<400>   792

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ctttacacac tactgtatga ttgtgataat taaaaaagaa aaagaaaaac agttttcttc   120

tagtaggaaa ctaaattcat acctaggtaa agttttaaga atatctaatt acccatgcaa   180

aatttcagca accgaggcaa gatataaaca ttgtatttta aggataatta gccactgaat   240

gtgtccttat tcttcgcaca gcaatgagga actaatccaa atgatatcag aaaatgggat   300

aacaccagtg acaaatagac aatagtacta acagcaatca actacggaaa gttaaggaat   360

attgtatttt aaggataatt agacacatgt gtccttattc ttcacagaac a   411

<210>   793
<211>   502
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   793

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taactattga aataaaaata agtgctatat taatgacctt tggggtaaat acaaaataac   120

attactcaca cattttaata ttttgtggtg gagaataaag gtggtcgcga ctatagcaac   180

ttctagggcc ggcgctacta ctggtatagt ataaaacttc cgaccccatt ggccaaaggc   240

tcttcgctat gcgaaggtat gggggaggga tgttatacgc acccttaccc cttgcatatg   300

caaagaggct ggtttcggat tccaacccat gaccaacaag tcaccaaggc acaactttac   360

gggtgcacca gggctcgccc tcctactact tgcatatgat acttaacaga aattgcgcca   420

tcagctgcca gcagaattca catagagaag tattattaaa ttagatggca tcaatataca   480

cagtctgatg agtcagcttg gn   502

<210>   794
<211>   454
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   794

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gcaggctgct aactcttgct gatttggcct tagcaaagca aatcttgcat atgccgaaag   120

actntatcct tcctctataa ccactggtga ttccaaacga gagttgaggg cagctgagtc   180

aaatggaatc cattgccccc taactttgac ctcttttggt gacttgtctt catgatcata   240

aacatttgca taaaactcct ttacaagtgc cacatctatt cttccctctt ccaaattcgc   300

gattntctta tgctagttcc tcctgtttaa ctccctttga aattcctcan agtcattgaa   360

cgacaattgc acattccttt caggaatgat ctttctgccg aagatattgt ttgtgtaatg   420

atcccatgct tcangggaag aaaatttgtg tcta   454

<210>   795
<211>   306
<212>   DNA
<213>   Glycine max

<400>   795

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gctcttgacc ttgacttgat agaacctctt tctaagcgaa ggcatttgac ttgatcccat   120

gttttactaa agtgaacaaa aatcggtgcg aatcaaaact ccaacatcta tcatgggtgg   180

aatggatgaa tgcatgaaga aatgcatatg acacatatgc aatttatgaa tacgggagcc   240

cgggaaatgg tctccttctt agatacaacg tcttggggta acaaagcgcc caacgtatgt   300

atttaa   306

<210>   796
<211>   399
<212>   DNA
<213>   Glycine max

<400>   796

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atccacaatg cgcgcataaa cccaccatcc cctgttgccc acctccaact gagctcacgt   120

actcccacgt agcccatatc ctcgtttctc tcaacaccgg gtccccatca atcctcccaa   180

gcttccacaa tatccaagca aaacaacatt cacacagcac aagctatcac agccaagcaa   240

aacagagcaa aggcagaaaa ctctgccaaa acaccaacca aaaatcacag ctttttcccac   300

tcaaagaccc cagtaacaat tccttcgatt caattcgtaa accgttggat cgactccaaa   360

atattactgg aagtctatag tgcataagcc tacattctg                          399
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<210>   797
<211>   417
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   797

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aggaaggtgg ctgaacagtg gaaggcaagg gaaggttgac agttggtgga agagaaatag   120

aaggatctga acctgcacct gcatcacaat cagaattgca gaagaaatct ctacacatat   180

attacataca gtagtagact cataagaatc atcacaagta cgatcaanag aactaagatc   240

aaagtcataa aaatcagaaa gtaaatctgt acaaatatcc acactatcta ttgcatcatc   300

aatgatatct ataaggaaaa cataatgctc atgtgtagga tgtctcatgt gcctaaaaat   360

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<210>   798
<211>   172
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   798

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gcagcttgct acgattattg tcagacnata attatttatt taaaataaat gttgttaacc    60

gattgtcata gagtatgcta attagttata gtattatata gtcagggatg cacaaatctc   120

tccccaagca atttttcatt tgtatctgct ctcacagcac cagtagtgtt gc           172
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327

<210> 799
<211> 106
<212> DNA
<213> Glycine max

<400> 799

ttggcagaga gccagaaaca ataaatgatg acgtttaagc taatattaga aagaaaaatt   60

gcaggaagcg aagtgatcct ttttatggct acataccaaa aacccc   106

<210> 800
<211> 372
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 800

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tattcaacgg acccatacta tgattaaaag acactgaaac tggntctcga aatgtgatcc   120

catttgatcg ttgcatcgag attctgaatg ttctttccaa ttctatttct tttctcactt   180

catcttccag gtctcgttgt tgtgcaaatg tcatctcgcg agcaatgatt tctctcctga   240

ttccttcctt ctctagctct cgccatattt tctctttctc caactctcgt tggaacactt   300

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agccacctga ta   372

<210> 801
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 801

nngggaataa tatntaacaa ctgtagtatt gaacttaacc cacaacaagt ttctagttat   60

atgaactaat atatgtgtca cttctaatgt ttctatggct gttactttta ggtaaagact   120

gggaagacca gcttggagca aatatcaaga gtttattgga atcaggtaag ctaaaagcta   180

atagtcttgt ccattctttt ttcttatcca tgcaccttta tgtacttgag aatccctaaa   240

catacatgta acaataattt ttccccatat gtaaataac ttgacaccct cgaacttctc   300

aaagtcattc caatttctat tcgattcgcc attggtactg gtattttcta cagattatgc   360

tcctgtcagt gttttgtaca atcaattgtc tggagttcct ctattattca tattcccaat   420

atgaatattt aaaatgaa   438

<210>   802
<211>   451
<212>   DNA
<213>   Glycine max

<400>   802

atcctcttag tcacctgccg catgcaagct tgaaattgac aacggaagct ctccagaatc   60

tcatatggtg ataacttatc acacgaaagt ctgattcagg cgcatagtat atctagaccc   120

tcgaaattaa acaacgaaag ctatcgagaa actcatatgg tcataaattg tcacacggaa   180

gtccgattca tgcgcataat atatcgagaa ggttggattt gaaccaccaa tgctctcgag   240

aaattcagat ggtcataact tttcaaacag aagtccgata tatgcgcata atatatcgag   300

aacgttgaaa ttgaaccacg aatgctctcg agaaattcaa attgtcataa ctcgtcacac   360

gaaagtccga ttcaagcgca tactatatct acacgctctg aacttgacaa cgaaagctct   420

ccagaaattc atatggccat aacttgtcac a   451

<210>   803
<211>   377
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   803

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agcaagaaat gaagagccaa tggttgatac atggacagag atgaaaaaga tcatgaggaa   120

gcggtatgtg ccggctagtt actcaaggga cttgaaattc aagctccaaa aactaaccca   180

aggcaacaag ggggttgagg agtatttcaa ggaaatggat gtgctcatga ttcaagcaaa   240

tattgaagaa gatgaggagg taactatggc tcgatttctt aatggtttga ctaatgatat   300

ccgtgatatt gttgagctgc aggagtttgt tgaaatggat gatttgcttc ccaaagcaat   360

ccaagtggag caacaat   377

<210>   804

<211>   153
<212>   DNA
<213>   Glycine max

<400>   804

agcttgttct tgattattcc tgagttctgt aacttgctta gaacaataaa cttggccttc   60

tcttatttgt ctttgggctt ggcgaccacg atcaacaaag tactttcggc acctactata   120

tgttgactcg accaacggcg ttattggaaa gtt   153

<210>   805
<211>   246
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   805

gcttcctttt aagtgcgtca ncgtttaana accgagtctc tgatggtggt ggcgaagcct   60

ttgatggtac cctcggcggg aagtgaatgg nggaacatcg acacttcctc attcagaata   120

cnggccccca cactttgcaa tggtgtgtat ttcaaggtaa tgggatataa tatccctgcc   180

tatatgcttg cctcttggga agaaccttgg attcatgccc ctgggagtgg tcccttcaac   240

gattca   246

<210>   806
<211>   368
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   806

actaatgtag ttnctaaaca aaaatcaatt gaggaagctt cgccaagtat ccccattgaa   60

aaacctttat tcaaaccttt caaagttagt gaaaaggcta aacgaaaaat tagggaactt   120

agaaaaacta aatccttaat tgaaggcgta ggtgacaatc atagtgaatt actaaacaag   180

aatggtagtt tacttaaggt cattccagat actccccaag cctcggaaaa tacttccaaa   240

atggtaacaa gaagtacctc caaattaatt aatattatta atgaagatag tgaccaaaac   300

tcagataaca caactgagat aggatcagtg tcagaaaaga atataaatcc aattaatttc   360

aaacactg   368

<210>   807
<211>   223
<212>   DNA
<213>   Glycine max

<400>   807

agcttgagat gaggaagtgt tgaagggtga aactttctgc ttttattggt gaccacagag   60

tggtacctgg agatatgtcg tgggggtcac gagaccttgc ggacgtcagg tggtgtgcta   120

ttgcccaaaa ccaagcttga ccaatcccga cccaacccgg gcatagtcgg taagtgagaa   180

cctgtgatgt acctaaacag gcgagctcct ggcagtcaac aga   223

<210>   808
<211>   427
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   808

gaggtccagg aaggtttggc ggccgaagga actagttccg ctccggagta cgacagtcac   60

cgctttagga gcgctgtaca ccatcagcgc ttcgaggcca tcaagggatg gtcgtttctc   120

cgggagcgac gcgtccagct cagggacgac gagtatactg atttccagga ggaaataggg   180

cgccgacggt gggcatcact ggttactccc atggccaagt ttgatccaga aatagtcctt   240

gagttttatg ccaatgctcg gccaacagag gagggcgtgc gtgacatgag atcctgngta   300

aggtgtcagt ggatcccgtt tgatgccgac gctatcggcc aactcctagg atatccngtg   360

gtgttggaag agggccagga atgtatggcg cctactangc acccttttgga cccagataag   420

tncaaca   427

<210>   809
<211>   361
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   809

agctttgata tggaaattaa gttganagta aatgatggta tgtataagac atcaatcagt   60

gtaatgaatg cagaaagttg tactgcgcct gagtgggtag catagacaag atggccattt   120

331

ggtaatctaa ccgtgatggg attaatttga tgatatgagt gaaagtttgt taaggaggag   180

gaaacgtgat cagtggctcc tgaatctaat atccaggagg tagagtttgc tttttcgtaa   240

gataggatta tacctgttgc atcgttattg gaacaagata aaatggaagc gacctgtggt   300

ttggtggatg ctgagtttcc agcagatggc tgttgtatta atgctagcca tgccttgtac   360

t   361

<210>   810
<211>   360
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   810

ntgcggatat ggtctttca atgaaaggat caaagtgggt ctggaaaaag gcaaatatga   60

tcatccttct tggatgaatg agaaaactgg ggcaaatgaa gaggatgaga atgatgaagg   120

aacccatgtt gaggctggca ttcctacaag gacaaacttt ccctccagtt caaaggccac   180

ctatttaagc ctgaaatcag aaatagaagt ggacgttggg cttttccttg agcttttgca   240

tttttagata tttctataga gagaaaggtc caagttccaa agagttttga gagcttttgt   300

tgtgcgaaga ctgacagaga actgagagtg aataggaact cattctgaga catgagatga   360

<210>   811
<211>   462
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   811

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acacacacac acacacactt tttcctagtc gatcactcac ataaanttcc attctccccc   120

ttttgttttg aatttatgct tatcttanaa ttaagttaat tactcatgtg agttcttgat   180

ttaatcccta tttctctcac cctttggcat caacaaaaag ccaaagtgca tatcanattt   240

gaagtattca aatataacta aatatccata caacattcat ggaaaaaaaa tatcaaccaa   300

atcatgaagc aagaaccatg aagcaacaat tatgaataga ttataaaatc cacatagtca   360

aacaacatac ttaatattng ttcanatacc ataataatat agccaaaata caaggctgaa   420

gatcagagta ctaataatat taanatagac atctaagatg ag   462

<210>   812
<211>   297
<212>   DNA
<213>   Glycine max

<400>   812

tggcactgca gatctgatct gcgtgatcct catccacgta cattgtgtat gctccggttg   60

agtcggtgta cccccttcttc gtgtacacaa cctcgttgct aaccctgctc ttgcattgca   120

acataatctc agcacctgca aacaatcatt aatcaaacaa tacgtgttac aaactagcaa   180

caactactaa ggtaatgttt ccattcacat taaatcattc aaaattacct tctaatatgt   240

aaatttaaat atatgttcac atgtttagtc tcatgccaaa aaaatgatgt tagatct   297

<210>   813
<211>   420
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   813

gcttcatata tatataacat aacattatgt ggtaagacct aacacgccaa caaattattc   60

tcaattagtt gatgaacttc caagatccca tttcactaaa tttccttagn tattagatac   120

ctctaaatat atgacaaagc atggatttga atatatagat aagctcatcc ttatctttgg   180

gatccacctt agaatcaata gaatattcaa aatagtgtta aggagcaacg aaaagaaact   240

aagaacaata ttaaaaggaa taaagtgcta accatctcac tcaatgaatg aatgctntga   300

caacctcaat ggatgcagac aaaataatca gaaattctag tactaatgta tctttagcag   360

cttatgggta cttgaatgga gaataagtgt nttttctgag cttatggctc aacttgatat   420

<210>   814
<211>   432
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   814

tttcattntg ctattntcct tannattttta aattntcatg ttgtaatatt gtcacgaatg   60

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gacagttttt agttacattt ctttctttnt tctgctttgt attattaaat agaatttatt    120

gttgagagga agcagagagg ggtgttatcg ttgagaggat gcagagaggg gtgtggcaaa    180

atgacgtaag cgggttcctt ttacaatcta tttatcccac agggtctatt tttaaacaat    240

tgtcgaagag ggtctgtttt ttaaaggtgt tccaccactt ggactggcgg aacccttgct    300

tgcataaatt cccatgcatg catggttctg ccagtggtgt tagcgtaaat caacccaaag    360

ggtttcgcca atcccactag tgagataccc catgccattc atcccatcat ccatcaacgc    420

catccatcca tg                                                        432


<210>      815
<211>      429
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      815

ctaaaccttg aaaacttgtg ctattcattc ttttcatctc ttctcccttt gccaaanaga     60

attcgccaag gacctaaccg cctgaattct tttgtgtctc tcttctccct tttccaaaag    120

aacaaaggac taaccgcctg aattctttag tgtctccctt ctcccttgtc aaagaattca    180

aaacgacaca gtctgaaaat tcttttgatt cttcccattc cctaatacaa aagtgttcaa    240

aggactaacc gcctgagaat tcttttgtat ccccattcac aatgtatcan aggtttaaca    300

gcctgagatc tttgtctaaa cacattggag ggtacatcct ttgtggtaca agtagatggt    360

acatctactt gtgtttgact gagaacaaga gaangtacat ctcttgtgga tctgttctag    420

tggagggta                                                            429


<210>      816
<211>      529
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      816

cgcccatcat gattgaaacg ccatctatnt angtgtgact acagataact caagctgtac     60

ggtattgcgg gcaagttatg tgctgaagat ntattntata aaattaatta attaattgat    120

gtgagttaaa tttgaaataa aataaagaaa caggacatcc atttaccaga acgtgtccca    180
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attaattttt gttactattt ttaattacat aaatgatata tatatatata tatatatata   240

tatatatata tatatatata tatatatata taattggcat gaatcgaaaa tattcttttt   300

ttctttttta tcgtaatttt aaactgtaaa aaagtaggac attttttttcc tatagcgtga   360

tacatacaaa gttaacagtt aacaattgtg tntatataat atataaatat atattaatta   420

ataatatata ttacttctag taaaaataaa ataatatact gcttaataga tntgatgatt   480

aattccatcg attatatact aatctntnta atataaaaaa ataaaactn        529
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<210>      817
<211>      501
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      817
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agtcacctgc ggcatgcaag cttctggttg ctgcgatgat cgaccagaac tgttccctga    60

actcatccaa gtcctcaaag gcttgagact cacagcagtt aaagctgaca tagccagtgt   120

tggtggcaga atcaaaagca tattggtgct ttgttctaag gatagagaag acagtgtttg   180

ccttgccact ctcaaacagt ccctcaaatc tgctgtcacc aaaattgctt catcatccat   240

ggcttctagn tgtcccgcta gaagtaagag gcagagattc ttcttgcctt ctcactgcct   300

acagttaatt atttattgca aanaatattt ttttccccac tattcattgc agtatggggc   360

aattatttgc tctattntca atatatatat atatatat agactcccca ttaggaagat   420

aaaatcatga aatattagtt ctgtgcaacc aattaaggca tagttaaatt ganaggaaag   480

gacgcacagc atagtatgag t        501
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<210>      818
<211>      447
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      818
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cgcttaatta tctttagagg aggataccgt ccaatggagg ataaaaaaat gatgttgata    60

atctttttcct tttttacatt tgaaggtatt aaaaaaaagt gtcttcatga cattattaag   120

aaattaaaaa aattattaaa aatcatataa tgcatttaaa aatcattgga gaagacattt   180
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ttatgcattt caatgaaaat attttctttt ttattttttt taaccgctgt tcttaaaaca   240

ttagttaata tttaccttaa aaaatgctaa caaaagatat taatgccttg ttaattagaa   300

gtattaaaat aaaagattga ttctttntaa aatgtatata ttgtttataa tattttattg   360

ataatacttg taattagtgt cacaattaaa agtagctttt tataaaaatt gaaaatgaaa   420

acttccattt gaagtcagca atgttat   447

<210>   819
<211>   429
<212>   DNA
<213>   Glycine max

<400>   819

ttcgttggcg aaaggatcta tgtgggtctg agaagaggca aatttgatta tcctgcttta   60

atgaatagga agcctgcggc aaatggagag aatgagaagg agggaggaac ccatgttgtg   120

actgctgtcc caacacgacc aaatttccta ctagctcaac aatatcaata cttatccaat   180

atcagccctt ctcattaccc accaccctat caaccaagaa cactcaatca ttcacaaagg   240

tcatacctaa atcagccaca aagcccgcct accgcatatc caataccaaa caccaccctt   300

aacacaaacc acaataccaa ccggtgaatg gaatttctag aaaagaagcc tgtagaattc   360

accccaattc tggtgttgta tgctaactta actccatatc tactcaataa tgcaatggta   420

gctataatc   429

<210>   820
<211>   466
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   820

nttccctcat tctcacgttg cttttcttct ccccttctca tccaccattg ttgcccatta   60

aagctccaaa ctttgctcac catttctact ccaaatcaca aaaggaagcc attttcggag   120

tcgtgaagcg cacctctacg ttgtgggact tcaaatttca ggtttgggta gacttcttct   180

cacataaatt ttgtgggtat tgggtctttg ggagatatga tgggtagttc tactaggttt   240

atgccttatg gtagttattt gtgaaggaat ttgttgaaag catgctaaac tcgtcatgtt   300

tgatgtgagc caaatatacc cattctgttt tagggtttta taatgatgct ttgtgatgct   360

tgtgtgctga aatcattggt agaaaactgg tagagatgat ggggagagtt aacctanggt   420

taaaagtgag aatggtagtg atgtgagtgg aaaagtgagg ttttga   466

<210>   821
<211>   483
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   821

gcttcacact tgataatgga gacacatgaa cagtgctatg taatgacatt catggtgctc   60

caaacaaagg tggagtatgg aggattgcct tgagggtccg cacttaggca atcatgaaac   120

tcaactccaa actcgaaagt ggaggacaca tgaacagccc taagcaataa cattcatgtg   180

gctccggaat aggatgagaa tggaggattg ccttgagggt cctctcttaa gcaatcatgg   240

aacacaactc caaactcgaa agtggaggac acatgaacag ccctaagcaa taacattcat   300

gtggctccga agcangatga gaatggagga ttgcctcgag ggtcctctct tatgaaatca   360

tgaaactcaa ctccacactc gaaagtggag aacacatgaa cagccctaag caataacatt   420

catgtggctc tggaacagga tgagaatgga ggaatgcctn gagggtccct cttaagctat   480

cat   483

<210>   822
<211>   412
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   822

agtctcacga ttgtcacgtg ctcatgcaac atttgttagc cgtggctata tgagacatct   60

tgccaaacaa agtcaggtta acgataactc gcctgtgctt tttcttccat gctatatgta   120

gcaaagtcat tgatccagtc atgtttgatg atttggaaaa tgaggccgca attatactgt   180

gccagttgga gatgtatttt ccccctgctt tctttgacat catgactcac ttgattgtgc   240

atctggtcag agaaatcaaa tgttgtggtc ctgtttatct acggtggatg tacccggttg   300

agcgatacat gaagatctta aaagggtata caaagaatct atatcgttca gaaacatcta   360

nttgtgagag gtacattgca gaagaagcca ttgaattttg ttcagaatac tt   412

337

<210> 823
<211> 453
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 823

```
agctntagga gaaaccatat aaactaaggt agttcctana caaaaaacaa ttgaggaaac    60

ttcgccaaga atccccattg aaaaaccttt attcaaacct ttcaaagtta gtgagaaggc   120

taaaagaaaa attagggaac ttagaaaaac taaatcctta attgaaggcg taggtgacaa   180

ccatagtgaa ttactaaaca agattggtag tttacttaaa gtcattccag atacccccca   240

agcctcggaa aatacttcca aaatggtaac aagaagtacc tccaaattaa tcaatgttat   300

taatgaagat agtggccaaa actcagataa cacaactgag ataggatcag tgtcagagaa   360

gaatataaat ccaattaatt ccaaacactg gagaacaacc tccatattat attatcaacg   420

tccaactggc cctgaccttc tattagagga aag                               453
```

<210> 824
<211> 457
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 824

```
ngaaacaact cgttacataa tttgatatgg cttgggcaac agatttcata agtatttcgt    60

tacccattct agaaagagat tgctccatcc acttgttcaa tttttattac acactcttct   120

aaatgctaga gaaaatcatc ttaaactttc ccaataaagt ggtagcccaa gatatttgtc   180

atgaaaattg taacgacctg tcttgtcgtt atgatatcac cactctaaag tacgtaaatt   240

ntaattttta aatgaaaatt tcattaattt gcttatgaaa aatgagagta aatttttcgc   300

gatatagatt caccaaacaa cgcacaatta tttaaatgaa atatatatat atatatatat   360

atatatatat atatatatat atatatatat atatatatat atatatnaac ttagccacac   420

tcacataata gaaaagtaaa ttagttcata catatag                           457
```

<210> 825
<211> 479
```

338

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 825

agctngaaca cctattagta tttatatttc ttaaataata aatgtatgac atcaactcgt    60

cattggctcc caggttagtg gattaagcaa aatagaccaa tacaaactca cgggttaagt   120

cacctaaccc attgatccaa agtttacatt gtcacctcta cattagtgac tntttgttgc   180

ctttgtttcc tttaagcttt ntgtgtataa aaatatattt tttcttgtgt gaaatatttg   240

tttggaattc agttttaact atataataaa attgatggtt aagtttaata tatatttaaa   300

cagtcttgat catttgatta tgaggacttg gataaaatat atattcttca aagttttgtt   360

aatataactt ggtaaatata attctaattt tataaactat ganaaaatac aaaagttaga   420

tgaattcaag ctcaacacaa tagaacaagt accaacanat actatcatac atttgacat    479


<210>      826
<211>      430
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      826

tctgtctgca gtagcaccac caccagccat gttaattaat ttgctctcaa acaaccaatt    60

aattctctag cctcaacgtc ggtacgagct taattagtat attaagaatg ctattattag   120

taatatatat tcagttctat agagaatgat gttttgtcat atgcttacag accgtaatgg   180

tattgctctt gcgggaacca catacactct agctagaaaa caagacatac atagttaatt   240

aattaataat gttaaagccg gcccttggaa gacaatttac atgcttaagt ttcacgggtt   300

taggtctaaa taatgccatt aaattatttn ttttgtttgg aatataattt atttattatc   360

atttaagttg caacaagcct tggtcgttac ttgtttgttc tattatgcgt ggagtcttat   420

tcatcgaacg                                                           430


<210>      827
<211>      309
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations

339

<400>        827

agcttntgac cggctgacaa gcaacaatct aagttataat atctacacca caagctgtat    60

cattgtaata acttactcat attcttcaca tttggacaga cgataatatc tacaccacca   120

gctgtcctcg aataacctga attgaaacag aataaacagc agtaatggaa taaaccccat   180

cgaagcatct gcgtaagaaa cccacttgga ggtgtgatca aatatcaaaa aggaggctgc   240

tgtaaaagcc acaaccatat catcaacata gataaaaagt aacacggtcc caaaagtcaa   300

gctcggatg                                                          309


<210>        828
<211>        222
<212>        DNA
<213>        Glycine max

<400>        828

cttctgaacc ttcctaagga aatccttgat aggattgaga ctcaggaaga tatgaactat    60

attgaaggtt ggtagcaaat ctttacttct acattaacgc ttctcattat gtataggata   120

cgagtgaaaa ttcatatctg ggatggggta tttcggatga atctttcttg ccggcgttcg   180

tcattcgatg ccccatatat accctcatta aagggccaca ac                     222


<210>        829
<211>        406
<212>        DNA
<213>        Glycine max

<223>        unsure at all n locations
<400>        829

cccgctgagt tctttgttat caccganact ctaggaggag gccaagaaac tactgtgtaa    60

gattttcttt atttccttgn tagtgttctt gatttgtgaa tctcacttaa attttgagct   120

taatatgtgg catgcattgt gaatcacatt tttaatcttt atcagctaag ttgagttgtt   180

tatgtatgtt gtagggcctt tcaaggagaa acgaagcaat gagcttatat tctaatagct   240

canaatcaca tataattctc acatttgtca ttgagtcttt gtgtaaggga ctgtcaaatt   300

ttgtaattct acctaacatt accagcagtt gtgtatggaa attgtntgtt tcctaagatt   360

caagccaggt ttatatttc tctgttagtt ctattgctaa acatga                 406

<210> 830
<211> 399
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 830

```
gggtgtacgt aaaataatta gcactaaagc ttatattatt ntatgtattt atcacaatgt    60

gcaaatgaga tgattgtgtc taactttttc cataacatat aggcctgatg ttttatttta   120

gaagtttata atctgatctt cagaatttga aattttttct ttacattctt atcaaaggaa   180

cgtcgtttta atcaggtaga gtacaattat aaacatataa attacaaaaa ttaaatataa   240

cattntatgg tttatgatga tgagtgagat gtggtaatgg gagagcaata aggaaagcat   300

tntggatcca canaacagga catgaagctt cttgcaagtt ttcaaataat cccttcacga   360

atcggtttgg gatctttgca aatttcttgt ctcanatcc                          399
```

<210> 831
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 831

```
tgcccaagtc agcaacatac acactgtgta tattgtggat tctacaataa aaggtaactt    60

tgaatacttc acagtcatga agtgtctacc aatctctgtt aagatagttg ttacaacttt   120

atttaagcaa agaaatagct cctttcctta aacaccaaaa cagaagcaac aaaagttagc   180

aaagcaagaa atacaaccgc gaaccataaa atagtgctct tatagattca tgattcttaa   240

tattttcagg tgtgttaaaa acgatttttc tgaaaaattt gtcacaaatc aagcttgaac   300

cagagaatca ccacgcgcag ataattaact gcacattagg tgccgtagct atcgagataa   360

agaaaagtag aggctattgc tcgagaagaa nagaggaaaa gcttatgaac aagaaagcan   420

ataaattgag caaaatgatc                                               440
```

<210> 832
<211> 313
<212> DNA
<213> Glycine max

<400> 832

```
tctcctacca ctgccttaca atagtcatca agcaatatgt tggcagcctt cacatctcta      60

tggattatct ttggatcaca ctgctcatga acgtatatta gctcccttgc tgctcctaag     120

gcaatttgct ttcttgtgcc ccagtccaac actggcttac ctgcaaatat ccatcactgg     180

tatatggatc agccactcaa cttacatagc acatgcatgt tcattctagt tctggttaca     240

taaacttctc tatatgcacc tttgagaaga acataagaag ttagaatcaa tttatgtacc     300

ttagttattg gag                                                        313
```

<210>   833
<211>   336
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   833

```
tgtacgcaca tcgttcgcgt gtatgatatt cactccacaa tgttcgaagt agaggagagc      60

ttcaacccta taacgcaacg tggcagacaa aagtgggcag taaacttgaa tggtcgtcat     120

tgtcaatgcg gaaggtattc tgcgcttcac tatccatgtt cacacattat tgcagcttgt     180

ggttacgtga gcatgaacta ctaccaatat atagatggtg tttatacaaa cgagcacatc     240

ttaaaagctt actccgcaca atggtggnct cttacgaatg aagcggctat tcctccttct     300

gatgacgcat ggacacttat ccctaaccca actaca                               336
```

<210>   834
<211>   252
<212>   DNA
<213>   Glycine max

<400>   834

```
agcttgtctc gctaagcgat aatccacttt tggctctaaa cacgactttt cgcactaagc      60

acaatttcct ctcgggttgg gatttgcgtt gagtgtgaca attgatgttg agcacaattc     120

attttgcgtt gagtgcaata attcgcgttg agtgcaacct ttcatcccga gagcaattcc     180

ttcttgggtt ggaattgcgc ttagcgtgct tctcgtgcta agagagatgt aaaaaattgt     240

tgttctaaat cc                                                         252
```

<210>   835
```

<211>   254
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   835

tgagatgagg aagtgtagaa gggtgaaact tcctgctttt attcgttgac cacagagtgg   60

tacctggaga tatgtcgcgg nggtcaggag accttgngga cgtcaggtgg ggtgctattg   120

cccaaaacca agcttgacca atcccgaccc aacccgggca tagtcggtca gtgagaacct   180

gtgatgtacc taaacaggcg agctcctggc agtcaacaga taaaaggaac aaagaccaca   240

aagcatggag gctt   254

<210>   836
<211>   402
<212>   DNA
<213>   Glycine max

<400>   836

tgcagcttgg ttaatattag gccttgataa tcaataaagc ctattggaaa ttaatatgta   60

aaaggtagtg actaaaaatg caaaattaca ctttagtttt tcataagcat aacatccaat   120

acaactcata agtttataat tagtcacata agtttttcat aacatatcac aagtcacaac   180

taaaataaaa gaaaacagtc caagtgtgca attatagaat ctagaattct tgatatttag   240

actagcacca aatcgctaat tttttccaaa taaaaacaca aaggtagtaa tagagatggt   300

gaggggcact tgatgtgaga gaaaagctta tctctgctaa gcctcaggcc aaagtccaag   360

ggtgaatatg gagagatcaa aagttacaga gcaatgggta ta   402

<210>   837
<211>   433
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   837

tgatttagtt ntcgctgacg aaaggatcga agtgggtctg ataagaggaa aatttaatta   60

tcctgcttgc tgcttggacg aatgagaaaa ctggggcaaa tgaagagggt gagaatgagg   120

aaggaaccca tgttgtggct gccattccta catggacaaa cttcccttca gcccaataat   180

343

```
gtcatcgctc agccaatatc gaccctttctc attacccacc acccagtcat ccacaaaggt   240

catccctaaa tcaaccacaa aacccaccta ccacacaacc aatgctaaac accaccttta   300

gcacaaacca aaacaccaac caaggaaggg aatttgcagc aaaaagcctg tagaactcac   360

cccaattctg gtgtcctatg ctaacttgct cctttatcta cttgataatg caatggtagc   420

gatcacccct act                                                       433
```

<210>   838
<211>   111
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   838

```
agaggtaaat gacatatgat catttctcct acttgctgtt gcacttttgg ctatttttga    60

tacctaaagn tttcattncg aatttaatta cacgatgatg atgctggatg a            111
```

<210>   839
<211>   402
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   839

```
agctngcgaa taattaacac agaatngtac aaaattctta tgatacatga tcaaatttat    60

caaaaaanat aataatgacc cctgaagcta tcttggtgac agtgacaata agttgagcct   120

tgtgcagcaa aacttagtgt tgagtgaagg atgacttgtt gcttgtgaat tgacttaacc   180

agttttttgac agctttacct ttggcaatga agcagccatt gttcttccta tcaaccttca   240

acggactccc cattttgacc atcatcttct gaaccaacac tctcaccggc gactctcctc   300

tgacactgct atgctttccc aacccacana ccaccgtaaa ttccgcagga actccataat   360

tggaatcatt caaccttctt ccatctcctc aaccaaagca ca                     402
```

<210>   840
<211>   116
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   840
```

taatacagta gtctttattt actttcaaat tnttttactg ttatggtgtc tgtattgatt    60

ntgttttgga ttgtattttc ggagtttgct ttgtctttaa ttattgatta tttgat       116


<210>    841
<211>    303
<212>    DNA
<213>    Glycine max

<400>    841

ccaacgccag ctctgaccac tgttctttct ttccgcgatg cttcttttca tgtccgccgg    60

agtgggctta tagcctacac catacttgcc acgattacct tgtgttttga tcagactagc   120

tatggcgcca ttgtctttgc ctaaacccat tcgcgggtca taacgggtgc tcaacatcac   180

tcgggctctc attacctcca ggtatgaccg acctgctgca gcgacacgtg cacctcagga   240

ggaaatgctg accacctcaa aagactggag agcgggttct aacgattctt ctgcggttcc   300

aca                                                                  303


<210>    842
<211>    289
<212>    DNA
<213>    Glycine max

<223>    unsure at all n locations
<400>    842

agcttcaaca natgttcacc agaaatccta agctatcacc atcaacctct aatgacatta    60

gtttcttttt ctttgttntt cttccataat cattttcctt ttcattcttt cattgtgtgg   120

tgaactcctt tccatggtga agcatacact gcaacaatct ttagcccaag atatggagtt   180

tgattctaaa cgtaagttga cttttcttta ggaaaatatg cttcattntt tatacaacat   240

cttgttctgt tgcaacatac attacaacct nttatatata tatatatat               289


<210>    843
<211>    436
<212>    DNA
<213>    Glycine max

<223>    unsure at all n locations
<400>    843

tcttagatag caacttgttn tgtgctagta atgcatcttg agaggaaagc tccaggaagc    60


345

ttcttttttgt gggaatatga gtccgatcac acaagatggc atgatcactt gcagccatgt    120

tctcaataag ctccatggct tcttctgggg tcttcaattt aatttttccc ccagcagaag    180

catcaaataa ctgcttggac tgtggcctta acccatctat aaaaatgttg aactgaattg    240

gttctgaaaa tccgtgagtc agtgtttttcc gcagcaagct atggaatcgt tcaagtgctt    300

cgcttagaga ctcatccaga aactggtgaa atgaaaagat ggntgctttt ccttctactg    360

tcttagactc ggngaaatat ttcttcaaac atttctccac caattcatcc catgtcttga    420

gactgtntcc cttaaa                                                     436


<210>    844
<211>    434
<212>    DNA
<213>    Glycine max

<223>    unsure at all n locations
<400>    844

agcttcatga ctagacatga cttctatgac aaaactacaa taggtggaca agtcgctcta     60

gatttgtgag gttttcttct actttaatat ttttgtaaga attttatgat ttaggtttca    120

gccacaaaaa ataacaagac aaaactcana tcatttgttc atgagtgtat gaaattcttt    180

tagcctatta tttgatttga gtcaaatctt tcatgttaat tagtccttaa catgttcatg    240

caaaatgctt agagagtctt tgattgtgaa cctttgcttg aactttatg cttccttatg     300

attgcgtcta ttgtgaatat gagtcttggt gattgaattg ctggctgaaa tgttgatcct    360

aagtgaatat tgaactccta taactgtcgt aaacagtcct agtgagttca acatacatat    420

gaagggtgaa agta                                                      434


<210>    845
<211>    376
<212>    DNA
<213>    Glycine max

<223>    unsure at all n locations
<400>    845

ngaagctcaa ggaaaagctt gaagaagttn tggctattac atgcccaact ctcttaagtg     60

gcatttgtat tggttgttat cttnggtgtt tcttcttagt acatttgata tttgtattgc    120

atcatgcatc atcatggttt gtgtgaagaa aagtttctaa gttagaaaaa tttcttcaga    180

ggcaaaaaca ctattttaat cgattacaac cttattgtaa tcaattacga caagctgtct    240

gaagcttata gagttgagtc tcgtatcaaa ttaatcgatt acagctatct cacaattgat    300

tacattattg ttcgagacaa tgactgattt attcaagagt ctctgcttta atcgattact    360

tctttctcgt ttaagt                                                    376


<210>      846
<211>      415
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      846

agagatacaa tctactcttg gatttgcatt aaaanaaaat ctttgcatct atctttcttc     60

tgctccctgc ctgaaaacat gcatgtatag cctggtaatt ggtcaatgtc tttgctaaag    120

attatctggg ctgttgactc gaagcttttc taatttattc aataagatgc atgaataatt    180

taatcataaa tcataaattc catacatgat gtaattattc atgtatctta ttgaatatat    240

agatcttatg gttatttcat ataattagtt aattaactgg tgattatttt ctgaccaagc    300

ctggtgatta tttcatacgc ttacgtaatt aactgattct gttttatatt ttatttatta    360

attcttcata atggagatga antctacaca attcatgttt gaacacagga tgcat        415


<210>      847
<211>      455
<212>      DNA
<213>      Glycine max

<400>      847

tctttgagaa aacttccttg agaagctaga gcttagctac actcacccct ctaataacta     60

agctcacctc cttgagaagc cttcttgaga agattcctat agaagctaga gcttaggtac    120

acacacctct ctaatagcta agctcacctc cttgagatga aaagctagag cttagctaca    180

caacccctat aatagctaag ctcaccccca tgacaaaata catgaaaata caaaaaattc    240

cctactacaa agactactca aaatgtctcg aaatacaagg ctaaaaccct atactactag    300

aatggccaaa atacaaggcc caaacgaagg aaaaacctat tctaatattt acaaagataa    360

gcgggctcat atttagccca tgggctcaaa atctacccta aggctcatga gaaccctagg    420

gccttccctt ggatctctgg cccaatctac ttgga                         455


<210>    848
<211>    349
<212>    DNA
<213>    Glycine max

<400>    848

gcgagctctg accactgttc ttcctttccg cgatgcttct tttcatgtgc gccggagtgg    60

gcttatagcc taaaccatac ttcccacgat tcccttgggt ttttatcaga ctagttatgc   120

cgccattgtc tttgcctaaa cccatcccgg gttcataacc ggtccccaac ataactcggg   180

ccatcattac cgccgcatct gacagacaat gttgcccaaa gagggaatcc acggaggaaa   240

tgctgaccac ctcaaaagac tggaaagcgg tttctaacga ttcttctgcg gcttccacat   300

aaggcatgga ggatgggcag cttaccaaga tatcttcctc gcctgacac                349


<210>    849
<211>    106
<212>    DNA
<213>    Glycine max

<400>    849

gctgatgagt actattgtgg agatgattga ccattctcaa agccaaggaa catatggatg    60

cgtattttga aatgatgaga tcattatcca acaacatgaa tttatc                  106


<210>    850
<211>    358
<212>    DNA
<213>    Glycine max

<223>    unsure at all n locations
<400>    850

agctttgcca aataaacaag ttctctattg ttgatactca gatcattcca ttttaattnt    60

aaatacttgg cgacccgatg cgcttgccgg tatatcactt ctgctttgat gtaagtcttt   120

gtaaatttaa gaaaaaggaa ctgtgtgggg agacgaacag taccacattg catttgagag   180

ttgaggtcag gtacatatat catactaagc atgagtgatt gaaactatgg acgaatgatg   240

actactctgt gagtgtatgt tggactaatg gatggttgcg tatgtttatg ggatctgata   300

atgttttctt actaattatt cgagttttgt attaacttct tttataataa actcaccc     358

<210>    851
<211>    435
<212>    DNA
<213>    Glycine max

<223>    unsure at all n locations
<400>    851

tatccttatg gcttgccttc ggacttcact ccccgtacca ccccggaaga tttaagccaa    60

gcccctactt tcgaggggca gctcccacct tatgacgact atcccgggca agacgatgag    120

gaaggagata cccatctcgg tcccctgctc cacctcaaag atctgtcccc ccatgaacta    180

ccccaaccaa acatagtccg ccatatcccg acttcacca cactcgtaaa agaatctgtt    240

cccttcgtgg aacataaggg aaagattgag gcgcttgaag agaggttgag agcagtcgag    300

ggcctcgaaa attacccatt cttggatcta gcggacttat gtctcgtacc caatatcgtc    360

attcctccca agttcaaagt accggacttt gataagtaca aagggatgac atgtccgana    420

gggcatcttc ggatg                                                     435


<210>    852
<211>    187
<212>    DNA
<213>    Glycine max

<223>    unsure at all n locations
<400>    852

agcttgaata ggtgtcgcgt tctactgaac tatatatatt ntggtggntt tgcaatgttg    60

ctatcctaga tttgntattt tctctcttgg atattttagc gtcgacatag tgtaatatac    120

aggtatgagc ttatcaagat gaatcatttt aggggattat cacttggcat tgttcagcta    180

ttctcta                                                              187


<210>    853
<211>    333
<212>    DNA
<213>    Glycine max

<223>    unsure at all n locations
<400>    853

nttaggtgga gcatattana ataaactaag ttcatagaaa ggtaataaga caccttcata    60

349

agcccaaatg agatcttcta aacaccctct ttatccatat aactctcaaa gtattactta 120

acaaaatttc aatgaatcct tcaaatatgg gaactgtcat ttcaatcaaa gaaaccaaca 180

aagtccacca taaaaaagct gtcttcactc tttagactgt tttacaaatt cactagaaaa 240

tattctacga agaagatatc atcatatgat gtaaagcgtg ctagttaact atgcaatgac 300

acaagccgtc caaatgcacc cattttaaga tct 333


<210>      854
<211>      315
<212>      DNA
<213>      Glycine max

<400>      854

gatgatgcag atgggtttgt agctacctca tgcactcctc taatgactat ggcatcattt 60

ctggcactaa actgctggga gttggaggcc atcttctcaa ttaaatttct ggcttcagca 120

ggagtcatgt ctccaagggc tccaccactg gcagcatcta tcatacttct cttcatatta 180

ctgagtcctt cataaaagta ttggagaaga cgctgttctg aaatctgatg gtgggggcaa 240

ctggcacata gtttcttaaa tctctcccag tactcataca ggctctctcc actgagttgt 300

ctaatacctg agata 315


<210>      855
<211>      303
<212>      DNA
<213>      Glycine max

<400>      855

tcagaagaaa gtgatgaggt acaagctcta aaggcagagc ttgaaagagc ccgagtagtc 60

gaagagaagt tcaagtccat agccatcaaa gtctgaaaag agtatgatga actaagggac 120

gtcaatatgg ccaccgctga agccttggaa cgagaaacca agaaggcccg aaaggaagaa 180

cacgtgcaag caaagttttg aggggctttca tatggcagca atagttagct caagctccta 240

agaggtgaaa ggaatcatca ctggttaaag gcatgatctt gaaagacgag ctaaaggctt 300

acc 303


<210>      856
<211>      415
<212>      DNA

350

<213>      Glycine max

<400>      856

cccatcacat gtggtactag gtggcggtcg ggcgatggtg cacaacaagt tttccacatc   60

cacaatgcgc gcataaaccc accatcccct gttgcccacc tccatctgag ctcacgtatt  120

cccacgtagc ccatatcctc gtttctctca acaccgggtc cccatcaatc ctcccaagct  180

tccacaacat ccaatcaaaa caacattcaa acagcacaag ctatcacagc caagcaaaac  240

aggacaaagg cagaaaactc tgctcaacac accaaccaaa atcacagctt ttctcactca  300

aagaccccag taacaatttc ttcgatccaa ttcgttaacc gttggatcga ctccaaaatt  360

ttactggaag tctatagtgc ataagcctac attgtgaacc gtgggatcta ctaac       415


<210>      857
<211>      591
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      857

agggcacgac ggtnaattga tcgcatctat tangcgacac tatagatact caagctngta   60

atcatgtgac accctctacc cctcacatgt atactaatat atgaataaaa ttcaaatatt  120

aattaaaagt atttttaaaa cattnttttt tccgaaacaa gtctttcaaa ggggaaaaag  180

gctcacattc attttcttct acatcatatt caaacttgtc caaataaata ataaagtaat  240

ctcgtctcan acaaggtcgt ctaaacttca tacaattaat atagaactta tatcctaatg  300

tcacatccta tcatagtgtt gtgttcctgt gtcctctagc atgaggttct tcatagtcat  360

ccacctattc atctgtttcc ccgaacacaa gttcaagatc atcacaggat ccanacacaa  420

caacacacag ggagtgagtc atcacattca tagctaatag agagacaaga caattaaata  480

tagatattat ataaatgaga taccacttgc ttaaacatag ctcacgtaat ntcaccactn  540

tgtcattcan naatcacttt tcaatcatca atcacattac acaagaatcc n           591


<210>      858
<211>      416
<212>      DNA
<213>      Glycine max

<400>      858

351

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gtgtgattcc tttctttttc ttatcattct cctcatgttg attcagtctc attagttcca    60

tttcgtgttc ctataacttt ccaaataaag ttgcaagaga catgttagaa agatcccttg   120

attctgtaat agttgttacc tttggttgtc attccctact taaacatctt agaactttat   180

taataagatc ctcattggga aatatctttc ctaatgatgc aagatgattt actatgtgtg   240

tgaatctctt ttgcatatca tgtatagttt catttggatt cattctaaac aattcatatt   300

catgggttaa ggtatttatt ctagaacctt ttacatctat tgttccttca tgggttactt   360

gtaaggtatc ccacatatct tttgcactct tgcaatttga tactctaaag tattca        416
```

```
<210>      859
<211>      487
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      859
```

```
catgcgccta tntccttacg aacgttctct ngcacaagac atttagaccg aaaaatgcac    60

ccatatacaa tcaaggcagt ttcgttacct agattattta cacgtacctc caaggtgtat   120

ttgttactta catcacacac atctccttgg ctaaattcac atacatgcat actcaaagca   180

ttttggggca ccaaaaattg cacctgtgca catcttggca tttctaatac ctatacatac   240

gcaaacttca tgatgaatct tgactatcta cacaataagg tgctacattt catgctcttt   300

tttcaagttn ttgctaccta aagccgcatg ccaattcaag catattttcc tttgctgact   360

aanatngtat tcaaattaaa aggtatatan ctttttgtaa tatagtttct tcacataaca   420

tgcaacatat ttatatatat ttttctgtga gacatcttga ctaccaacaa tatatataca   480

tacattc                                                             487
```

```
<210>      860
<211>      502
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      860
```

```
cgagccncng nnnttgtagc atctcgaccg cgatccttaa gcacctgggc tgcagcttga    60

ccaacagaga gccataaagt ttgtctagga agtctaagcc tatagtgcct ggaggcgttg   120
```

352

```
cactctcata ccgtatgcga agagcttgaa gcctttgctt ggaagacgcc atagtggatt   180

tcatcctcta ttctttaccc gatcactatg atagctctgc aggtacgcat gtattgtgca   240

tacctatgtt attgtagctc tggcacgacg ttcttcacta catgcgggac tgcccacctc   300

agacataggc cacgagtata ccactgttga tcatatggga ctccctctct tttttaatcg   360

cgatggcatc ccactccgct gctcgtttat gacatgataa gacagctgct tcgattcant   420

gtttaccgta atagaagagc acaaccctat tccagcgagg cacatattat tacttgccca   480

ccatgggtct gaattcttgt cn                                            502


<210>      861
<211>      311
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      861

tgagctctnt cagctacaca tggcggtgac ttgtagagga gtgtgatgga cgaacctgca   60

cccgacgata acactgacaa gagcttatat tctccatctt ggacaagata tggcagactg   120

gtggcaagtc tactatcttc catcagcctt ggaacaactg tgatcgtgat cacatatcag   180

ctaaaacttg atgggtatgc aagccatact ctcactgtgc ttgaatggta acgagcagcc   240

caatgacact gtgacccaca tgtttctcca catgcgttac atcaatgcag tgtctaacgt   300

caagatcaca c                                                        311


<210>      862
<211>      80
<212>      DNA
<213>      Glycine max

<400>      862

tcctaacgat ttctaattat gtgggccatt aagtctatca tatgctgaca atagccgaga   60

agcccatgaa tctcttcggg                                               80


<210>      863
<211>      440
<212>      DNA
<213>      Glycine max
```

<400> 863

cggagaggat gcttcactgg aggagaagac agagggagag atagatagag gcgggagcat   60

gaaattgaac gatgataaac ggagagaagt tgaactatga gttgtgtctc acaagactct   120

cattcatcaa agatacaaca tgtgttacac atgtatctat attatagact atgtagcttc   180

cttgagaagc tttcttgaga caacttcctt gagaagcttc tatgagaaaa cttccttgag   240

aagctagagc ttagctacac atacccctct aataactaag cttacctact tgagaagctt   300

ccttgaatag attcctaatg aagctagagc ttatctacac acacctctct aatatctatg   360

ctcacctcct tgagatgaga agctagaact tatctacaca caccctataa tagctaagct   420

tacctccatg acacattaca   440

<210>   864
<211>   566
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   864

nttgacgcat cttgangcga cactatgata ctcagctggg tatgtcaggc caaatatggg   60

tggagtgaca aaagctntaa tttactgctt gaagtagtgc acgatctgct tccagaggan   120

aacacgttgc ctaaaagcta ctatttggcc aagaagatac tatgtccgat gggtatggag   180

tatcagaaga ttcatgcttg ccctaatgat tgcatactgt acagacatga atttgaagaa   240

atgtccaaat gccctaggtg tggngcatca cggtacaagg tgaaggatga taaggagtgc   300

agttctgatg aaaactcana gaagggtcct ccagcgaagg tgttgtggta tcttcccatc   360

attccaaggt ttaagcatct ttntgctaat gaagacaacg canaagacct tacctggaat   420

gcanatggga gaaactctga tggaatggtc tatcatccgg ctgatntcct ctagtggaag   480

aagattgatg gtttgtattc ggatttcaga aaagaggcaa gaaatcttag gcttggacta   540

gccagtgatg gaatgaatca tatggn   566

<210>   865
<211>   441
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations

<400>   865

ataacatcca agaaatttca acatccaaac atcatgaact atcaaaacta agcaaaaaca   60

gggcagaggc agaaaactct gcccaaaaca caaaccaata ccacaacttt tcttattcaa   120

ataccccaat cacattcttt ttgttccaat tcattcaccg ttggatcgac tcaaaaattt   180

tactggaggt ccctagtaca taattctaaa ttttgaccgt tgggatctcc tagaaaacgt   240

ccagaaccca atctgtacta ctctttccac aaccagcaaa tacacatcat tttctgcatg   300

cacaaagcca aaattctgct gcacatttca acagcaaaac tctgcataat agtgcaaaat   360

ttcgaaatca cacttgccct tgtcctaatt tgcccaaatn gaatcctaca agtcctaaat   420

catgtataaa tcatgtctaa a   441

<210>   866
<211>   318
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   866

ataaagaggg tgaggatgag ggagaaaccc atgctgtgac tgccattcct gtacggccaa   60

gtttcccacc aacccaacaa tatctttact cagccaataa caaaccttct tcttacccac   120

cacccagtta tccacaaagg ccatccctaa atctaccaca aagtctgtct accgcacttc   180

caatgacgaa caccaccttt agcacaaacc anaaacacca accaagaagt gaatattgca   240

gcgagaaagc ctgtagaatt caccccaatt ccagtgtcct atgctgactt gctcccatat   300

ctacttgata attcaatg   318

<210>   867
<211>   471
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   867

agctntgcat ggatgccaca cgtgaatctt ctgtatcatc catcatttct ttcattcaca   60

accccaacaa gatgtagtac actagagtta tgggcaaagc aatcagcatc ccaaaaataa   120

cactgcattg ggttaaagaa gaagctccat tggttaggat taaaagagaa agtaattgaa   180

tgaaaaggaa aaaggaatgg aggggagaga aagttctaat tgagccatat aagaattaga 240

tttgaatact cacgctgtgc tgagaatatc aggatgtaca ttatattcct tagcaaagac 300

aaatgggaca attccttggg gaagagctgc ctatattttt ttgacattca gttgccaaac 360

aaacaggaca agcaaacaaa caaacatgtc aactgcagtt tcaaatcctt ggtgtacaat 420

cacaaacatg atcattngaa tcctcactac tagtactaag atcttcaatt t 471

<210>   868
<211>   338
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   868

ngctngagan actntcttga gaaacttctt tgagaaactt cattgagaag ctagagctta 60

gttacacacc cctctaataa ctaagctcac ctccttgaga agttccttga gaaacttcct 120

tgagaagctt ccttgataaa cttccttgag aagcttcctt gagaatattc ctagagaagt 180

tagagcttat gtacacacac ccctctaata gctaacttca ccttcttgag atgagaagct 240

agaagttagc tatacacctc ctataatagc taagttcact cccatgccaa aatacatgag 300

aatacaaaaa cattcctact acanagaact actcaaat 338

<210>   869
<211>   375
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   869

tctatggagg ctggatcttt gagcttcaat gaggtccttt aatggtgatt ttccaccatg 60

gagatgcagc ggaagacaaa ggaaaagagg tgagaggagg cgccatccac tagggaataa 120

gccatggaag aaggagcttc accaccaaga tgagccttgg ataagaagct tggagaggat 180

gcttcaatga aggaaaagaa agagggagag aaagagggag gggggagcac gaaattgaag 240

gaagaaaaag ggagagaaag agggaggggg gagcacgaaa ttgaaggaag aaaaagggag 300

agaagttgaa ctntgagttg tgtctcacaa gactctcatt catcanagtt acaacaagtg 360

ttacacatgc ttcta 375

<210> 870
<211> 457
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 870

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ntttagaaaa aatcttataa gttagtacat acctaaatag ttctttaaga tgactatatt     60

atgcttaaat aatctttaga aatttcaact caataacccc taaagtcatg atattcaatt    120

aaaactatca attattntaa aagagaatgt caacatttgt gatattcaat tgagactttt    180

cacaactaat aaaaaggtat tcttctatta aaaaatatat aaattttgat taattatttt    240

ctagagtgaa ttttgtgtca attctttagt atgatgtata aattctagac tcatccaaca    300

atttcaccaa aactttcctc atttctgttg aaacatactt aatatgaagt tntgatgatg    360

tcacaagata agcgtttctc aagtttaatc caagttaaga actcagaaat tcaagataaa    420

tgaagaagta gtccttaaga gtcttagaaa gcattct                            457
```

<210> 871
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 871

```
gactaaacat tcattggtta tttatttgta ttcattatgc gatataattc gctgtaaccc     60

gtcactaacc aattaatatt atcaactact cgtttggtta agcaaggaaa ttgttggtcc    120

aacaaaaatc atttacgcgt acagcataca tcattgtcat aattgacaac acataatgac    180

atgcatgcgt gttacagttt gagcgtgaca acacattggt ngacttcagt acacattttg    240

aaactagcag tcgctcaaca acacattggt tgacttgact acacattagc gacaacacat    300

tggctgactt gactacacat ttacgcgtgt ctatttgttg tgaaacanag ttaaacaaag    360

gctcggtcac aaccatctat atatatggca gactangcta ctaaatcaca cattatc       417
```

<210> 872
<211> 412
<212> DNA
<213> Glycine max
```

357

cttgacagct ctatggacca tgctatcatt cttcctgcta gcttagtatt tcttagcacc   60

ttcttgatgg ggtgatcctt cttgacgatg atctaagggc tctggaagta cggcttgagg   120

cgttgagcag aggttatgag tgctagcgcc actttctcga tcatttggta tctctttcca   180

acatcatgaa ggatgtgact gacaaagtag atgggtgttt ggtactttcc atcttcttgg   240

acaagggttg aactaatggc tttttctgcc actgaaaggt ataggaatag ggatgctcca   300

ngcttangtc aacttataac aggtggtgtt gcaatagttn tctttatagc tagganagct   360

tgcttacagg cttcgtttca caagaacgac tcggttttcc tgagtagctt at   412

agcttgcttc tacactaaga agcactctat attgagtgaa tcaccaaaga gagaacaacc   60

accaaaattg aggaccgttt tgtaattntg taatttacaa tttacttacc ttcatttctt   120

tcaagttttg taacaaaaag gcctttcatt ggaagtgtgt tgggagcctc caataagtta   180

ccaaacttcc atttgtgtgt aataattcta ggcaattttt ccttaagata gtgagtgttt   240

tgttgggaac cttgaatgtg gtcatccaaa cactcttang atttgcctag tttacatttc   300

ttgcttactt tcatagctta tttcctttac cttccctttt aaaaccacct agatagtttt   360

ccttttacca attagttntt ttaccttatc tttcacacct cttttagt   408

tagccctaga ggngatggac cttntcatgt tntggagagg atcaataaca atgcttatag   60

gttggacctc ccataagagt atggagtcag caccactttt aacatttctg atttaattcc   120

ttttgcaggt gaagctgata ttgatgagga ggaactaaca gatttgaggt caaatccttt   180

tcaaggtgga gtggatttta atagcacaca aaagtcaagt caatttaact cctttttaat   240

agcaaaacaa gtcaattcta catgtaataa tacaatagaa attgtctcta gctaaattaa   300

aactaagtta atcttgtatc t   321

<210>   875
<211>   463
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   875

gctttgatca aagtgttcga gggggagcaa gcaaagatag aggataactt tcttcttggg   60

aagtttgagc tttttgggtt cactacatcg ccaagaggag ttccacaaat caatgtttta   120

tttgatgttg acgttgatgg catcgtagaa ttcattgcta gagataaaat catgaggatg   180

aaaaaaagga tcatgatcga caacaagtac tggaggttga gtccctaaga gatgaggaga   240

atagtgagat atgcaaagag gtataaggca tangatgtgg aggtaagggc aaacggaagg   300

ccagaacttg cttgagaatt gtgcttttga aatgatggac aaagtgaaga atcttaagaa   360

attagtaccc atagcaacaa tgttattntt tttagtttca ttaacaattc agtaaaaaaa   420

aataccgtgc gctaacttga aatgcccnct gcacacatgg ata   463

<210>   876
<211>   510
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   876

atccttatgg cctgcctnca gacttcaccc ncgcgtgcca ccccggaaga attaagccaa   60

gcccctactt ttgacgggaa actcccacct tatgaagact atcccgggca agacgatggg   120

gagggagata cccatcttgg ccccctgctc cacctcaaag atccatcccc acatgaacta   180

ccccagccga acatagtccg ccatatcccg gtctcaccca cacccgtaaa agaatctgtt   240

cccttcgcgg aagataaggg aaagattgag gcgcttgaag agaggttaag agcagtcgag   300

ggcctcggta attacccatt ctcgatattg gcagaattat gtcttgtgcc aacattgtc   360

atcccttcca attcaaagta ccaaactttg attagtacca agggatgaca tgttcaaang   420

359

```
ggcatctcgg atgtatttgc tgagatggng catattctgc ggacaannag tcgtggtcat    480

ttcttttcag acaggttgct tggacngctg                                      510


<210>      877
<211>      383
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      877

agcttagccc tagaggggat ggaccttttc atgttttgga gaggatcaat aacaatgcct     60

ataagttggg cctcctagaa gagtatgcag ttagcaccac ttttaacatt tctgatttaa    120

ttacttttcc aggtggagct aatattgagg aggaggaact aacaaatttg agatcaaatc    180

ctcttcaagg gggaggggat gatgcaatcc tccctaggaa gggccagtca ctagagacat    240

gagcaagagg ctccaagagg attgggctag agctggtgaa gaaggcccta nggttctcat    300

gagcctcatg gtagatttct gagcccatgg gacaaggttg ggtctaatta tctttgtaca    360

tattaaacta ngatgtcatt ata                                             383


<210>      878
<211>      490
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      878

ngttgttgtt gtggacctct atnntgaaaa cctccataag agttgttaga aggacctaca     60

aaagaagtgt tagtgggacc cacatattgt ggtttccagc cataaggctg atttgatctt    120

gagccacctc tatagccttg gtagcttcct tgaaagttnt gttgaggtct agcttggttc    180

tgtagatatt cggcttcctc ttcttgttgc catcaccagg tgctgaacag tggccattct    240

gatggatacc accacaaaaa tcacatctca naattntttg aacttggtgg gcttgatatg    300

ttttctatgg tccaccttcg tgatattgct gagtcagttg gcctatctac tttgttaagg    360

gcctcaattg ttgcgtcaag agnttgttnt gagctagaat ntcactctga gtgtccagct    420

ccattatacc tattctttga gtcggatcnt catcatgatg actttgatat cactagctac    480

tatggagtta                                                            490
```

<210> 879
<211> 472
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 879

agctatgtgg caagtacaaa ggtcataaac gcgcccgtta tattatcagg tcttgctttg   60

gtggccttaa gcaagctttt attgctagtg gaagtgagga ttcacaggta tgaatcttca   120

atcatcattg atcaaaatgg gaaaatattc gccagtgtaa tttttttataa tttgcaaatt   180

gaaagccttg atgtttatat gtctctgtta aatgtgtttt atttgctaag tttttatagc   240

tgtctcaata atttgttaaa ataagttcaa catgcacttg atgcatgcta tcgaggatca   300

ctaaaatatt ggcataaaag acccatgaaa tggttctttg tggtctgatn tactggactt   360

gaatgaattg aactacacat cgctataatg ttcaagagtt cctggcttct gcaatattat   420

tctagtttat cttgataaaa ctaggaacat ctcgattgat aatgctggaa gt   472

<210> 880
<211> 284
<212> DNA
<213> Glycine max

<400> 880

cagcttctcc attatctatg ttctcgattg tatctagcaa ccaagttagg gtggagttct   60

tattatgatc ttgtaaagct gagccattgg ataccaattc atccttagct tgcgaggata   120

agtgcgttaa tcctcccatt agaatatgca tatgcgctat cgcgtgatct ctatcaacaa   180

attcgtctct gtcttcgtag tccatggtgt ccatcaacat accatcaaac atctcgtcta   240

ggcataaatt gtctatcatc ttttgtcgat cctgcctagg atct   284

<210> 881
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 881

tattccatat tggggaatct aaaataacag acaattgatt gtacaaaaca atgataggag   60

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taaaatctag taacatcata atttaaactc actgcaacgg ataaatgaca atcaccatac    120

tcaagagcct catggataat gataagatct tcactaccct aatctaagaa aattagacga    180

taaaacaatn tatgtttggt gattacatag tggcactaat atgtaaatgc aaaaatgctg    240

acctggccat gttcattgaa agtatcgagt ccaacaattc caaggtcaag atctccagat    300

aacaattttc ttgtgatgta tttgggcctc taaaaccaaa ctttgagttt ggatagctgc    360

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<210>     882
<211>     371
<212>     DNA
<213>     Glycine max

<223>     unsure at all n locations
<400>     882

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acggacatgg ctcccgatcg gaaccagctt cagggtatga ctaaacgaga gcatgagtcc    120

attaaggaat atgcccaaag atggagagat tntgcagctc aagtcgtacc gcccatgatg    180

gagagggaga tgatcacaat tatggtagat acgttaccca cattccacta tgaaaagctg    240

ataggctaca tgccagctaa ctttgcggat ctcgtcttcg ccggcgaaag gattgaatcc    300

gggctacgaa naggcaagtt cgaatatgct gccaatatgg cccccaacaa caagagaaga    360

gccccagtag t                                                         371


<210>     883
<211>     254
<212>     DNA
<213>     Glycine max

<400>     883

cgcgaacttt gaccattgtt cttccttccc gcaatgcttc ttttcatgtc tgcctgagtg     60

ggcttatagc ctaaaccata cttcccacga tttccttgag tatttatcag gctagttatg    120

ccgccgttgt tttttcctaa acccatcccg ggttcaaaac cgttccccaa cataactcgg    180

gccatcatta ccgctgcatc ggacagacaa ggttgcccaa agagggagtc cacggaggaa    240

atgctgacca cctc                                                      254
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362

<210>   884
<211>   101
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   884

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cgattatcgt ctccctttcc atcattgggg gtaccacttg g   101

<210>   885
<211>   300
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   885

tttccatatg tcatcaaaca taaaaagggg aaagggaatg tagtggctga tgcactgtct   60

aggagacatg ctttacttgc tatgcttgaa actaagttgg ttggtctcga gtctttgaaa   120

gacatgtatg tgcatgatgt ggactttgct gaaatttttg ctgcatgtga aaagttttct   180

gaaaatggtt actataggca taatggattc ttggttaaag caaataaatt gtgtgtgcct   240

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<210>   886
<211>   331
<212>   DNA
<213>   Glycine max

<400>   886

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agagttatga ccatttgaat tactggcgag cttccgttga tcaatttcga gcatctccaa   120

acattatgcg ccttaatcgg acatccgagt gaaaagttat gaccatttga agttctcgag   180

agcttccgtt gttcaatttc gagagtctcg atatattatg tccgtgaatc tgacattcat   240

gagaaaagtt atgaccactt gaatactcga gagctttcgt tgtcgcattt cgagcgcctc   300

cgtatattat tcgcattaat cggactttct a   331

<210>   887

<211>   233
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   887

aactggggca aataaagagg gtgaggatga gggagaaacc catgctgtga cggccattcc   60

tatacggcca attttcccac caaacccaac aatgtcatta ctcagtcaat aacaaaccac   120

ctccttaccc accacccagt tatccacaaa ggccatccct aaatcaacca caaagcctgt   180

ctaccgcact tccaatgacg aagaccacct ttagcacaaa ccananaaaa cac   233

<210>   888
<211>   336
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   888

tccattcccg agagcatntc ttatttaagc acnttcagcc ttgctttcat gtagcttagg   60

aaaaacatca tttcttcttc tttctttctt ccaaagccaa ttctaaagtt ccaagcactt   120

tctccatcac ccacagccac cattagccac cacaaaccat cgttgttctc cattgaaacc   180

ccacaccgag aggaaccctt caaccgaagt ggaatcttcc aacttggctt gcggtttcgg   240

tagagaacaa aaccctaatc tgacctttcg ttttcttttg agactatntt agtctcaaaa   300

ttatcaagaa ctacgtaggt ctgagttcct catcac   336

<210>   889
<211>   563
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   889

attgaaccca tttaangccc tctattagct gaactctcat acatacgtct gagccggact   60

ctgactctgc attaccttgt cccangtgat aatgtcaatc cttactcttc gaagcancga   120

ggaaacgaga gaaggataat ttccactcta aggacataag gagaggaaag gatattcctc   180

atcaaagagt gggagatagc tatacgacca gatagataat tcccaatcca agactgtgag   240

agagaacaag agaccgagat gacngaagga tagctcctga tcaatgatcg aaagataaca   300

gaagaaatgt gcagagggga tctctggaca gacaatatct atacaaatac agaattgtca   360

ccaaatgaac acaagagaga aaggaaacca taacctacaa gtggtcttct gccttcgatt   420

accaaccaaa atactgtgcg tcngtgactt ttgtcgctcg cgtcagacaa naactgaaaa   480

cgaaaacagc cacactaaaa ctatcaaaag ccataacaac aanagccgat aacccactaa   540

agagtcatcg cacgggagtc tat   563

<210>   890
<211>   471
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   890

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ttaaccttta ttggtgtttc ttcatttttc tccatgtatc tcctcacgtg tcttgtgcta   120

aatgttgttc acatgatttt ttagaatttc gacaattaaa cttgctatag aagctagatt   180

tgattttcta tggttcaaat ttcttgttct tgttcttgaa ccataattgt gttgactnta   240

ngtttctttg agttttgtct tgctatttat ttgtggctga aacttaaacc ataaaattct   300

tacaaaaata ttaatgtata agaaaacctc aaaaatctag agtgacatgt tcacctattg   360

tagttntgtc ataaaagtca tgtctagtca tgaaacttgc catatatgat tctttatgtn   420

gngctgaatt ctcattttct tggttctttg tctaactcat ttgctcctga g   471

<210>   891
<211>   461
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   891

tcaacatcag accacttcca gggtgctgga actacttcac atggacttga tggggcctat   60

gcaagttgaa agccttggag gaaagaggta tgcctatgtt gttgtggatg atttctccag   120

atttacctga gtcaacttta tcagagagaa atcagacacc tttgaagtat tcaaggagtt   180

gagtctaaga cttcaaagag aaaaagactg tgtcatcaag agaatcatga gtgaccatgg   240

cagagagttt gataacagca ggtttactga attctgcaca tctgaaggca tcactcatga   300

365

gttctctaca gccattacac cacaacaaaa tggcatagtt gaaagggaca acaggactnt   360

gcaagaagct gctanggtca tgcttcatgc caaagaactt ccctataatc tctgggctga   420

agccatgaac acagcatgct tcatccacaa cagagtcaca c   461

<210>   892
<211>   465
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   892

agcttgacca atcccgaccc aacccgggca tagtcggtca gtgagaacct gtgatgtacc   60

taagcaggcg agctcctggc agtcaacaga taaaaggaac aaagaccaca aagcaaggag   120

gcttgtggtg gctggccagc tgtgaatctt gtgtgatata tgggtttttg cctctggtaa   180

tcgattacca agggtgggta atcaattaca aggcttaaaa atgaagacag gaggctaaga   240

tggtctctgg taatcgatta ccaaaggggt gtaatcgatt accaggcttg aaaacgaggt   300

caggaggcta tgagggcttc tggtaatcga ttaccaaggg ggtgtaatcg attaccaggc   360

ttaaaaatga angcagcang ttgtagaggc ctctggtaat tgattaccag tctgtgtaat   420

cgattacaca gaggaatggg tcactggtaa tcgattacca cgtat   465

<210>   893
<211>   238
<212>   DNA
<213>   Glycine max

<400>   893

tttgggctag cccatgttcg atactctaca tagaggtagc gtggaacata ccttgcaaca   60

gtgtgtatac ataggtaaat ataatgagca tgaaattcct agtaaagtgt gaatgattgt   120

cttcctaaat gaatgtatga tagtgtggaa tgcctttttg aatgcaaata tgtgcatgat   180

gtaaatagct atccaatatg catataaata aatatgagtg aaacaataac aatttgta   238

<210>   894
<211>   419
<212>   DNA
<213>   Glycine max

agcttgtttc cctctaagta cttgattctt ggaaagtgat gtgccatcat tttcttctat   60

tttctagacc cttttttgcac cattttaatt actgattggc cttaattgtc aattaatcag   120

gcagttttat tatttgggct catttagcta atttgatgtt tttaatctaa ttttaggaat   180

taatgaaaca ttgggcttaa tccggatttt ggttatggac ttgaagaggg caaataaagc   240

agcgcttatc ttagttaatt tctaattagg aaattttgca attttatttt atgttgttca   300

gtgtttattt cgttntgggc cagagtattg taatagagcc cagtgacttt gagtgactct   360

ttntaaatag cagccttggg attcgtgcaa ggcattctat tatgctattt tcattattc   419

<210>   895
<211>   402
<212>   DNA
<213>   Glycine max

tatccncata agagtgcaga acagctggcg agtcagcatt gattatagga ggctaatcca   60

ggtaaccaaa anagatcatt ttcccctgcc attcattgat canatgcttg agcgcttggc   120

aagtatgtct cattacaatn nttttatggt tnttctggtt atttacaaat tcatattgct   180

cctgaggatc aagaaaacac cacattcacc tatccctttg gcattttgc ctataggagg   240

atgccctntg gcctatgcaa cgcctctggt accttccaac ggtgtatgct tagcattntc   300

aatgattntt tagagagttg catagatgtg tntatggatg attntactgt ttatggatcc   360

tcttntngat gcatgttgga tagtctagat agagttctta at   402

<210>   896
<211>   396
<212>   DNA
<213>   Glycine max

<400>   896

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ttcttccatg gcttattccc tagtggatgg cgcctcctct cacctcttct cctttgtctt   120

ccgctgcatc tccatggtgg aaaatcacca ttaaaggacc tcattgaagc tcaaagatcc   180

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agcctccata gaagccccac aagcaagctt ccatcagagg aggagctcac ccctcttgag    240

ccttcttatt ttgatgcagg tacgcacatg gctaaggagg aggatacctc cacaaaccag    300

attcatgagc catcttctac acttgtacct gatgatgcca caccatctgc accagcacct    360

gagtcagagc atcctatctc ttaagattca ccaact                             396


<210>      897
<211>      354
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      897

tgtcatgacc acgctctctg gtgcataatt gatctgtcca aacttaacag ctcattctnt     60

tcgaacatac tgaataatca gccaggagct tacaagcgta caagtggaaa aattactcaa    120

ctcttacagt atgttctaag tctgagtaat ggaaatacat attgcttact atttaactac    180

aacgcttact tgacagatga gcagttcatc atagctatcg gaaggtgaca ttatctctta    240

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ttcatcaata ttagctctca agtctaaatt agatgccatg tatcatattt atat          354


<210>      898
<211>      446
<212>      DNA
<213>      Glycine max

<400>      898

agcttatgct gcaaacatct acaatagacc ttctcaacct caacaacaaa atcaggcaca     60

acagaataac tatgacctct ccagcaacag gtacaatccc ggatggagga atcatcccaa    120

ccttagatgg tcgaatccgt cacaacaaca accttatttt caaaatgttg ttggcccaag    180

cagaccatat gttcctccac cattccagca acaacaacaa caacaacatc cccagaaaca    240

gcaaacagtt gaggcccctc cgcaaccttc ccttgaagaa cttgtgaggc aaatgactat    300

gcaaaacatg cagtttaac aagagaccag agcctccatt cagagcttaa ctaatcagat    360

gggatagttg gctacacagt taaatcaaca acagtcccag aattctgata gataccttct    420

aatctgtcag aatcccaaaa tgtgag                                        446
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<210>   899
<211>   360
<212>   DNA
<213>   Glycine max

<400>   899

tgtccgcaaa agatcactaa caacgattct aatgttcgag acctcaattt tctctcacca   60

agtaaaaatg gatcattcta aggtccaacg ccttataatg aacaccttcc aagtaaaaaa   120

aatagcttga ttcaccctta aaaagaacta cgtatgtctg atttcctctt cgatggaggg   180

tacgtagaag caagagccct gcttttgtcg acctcacaaa taaaaaagaa ataaaaagtt   240

tatgtacaca atttcataca attcaataat taaggctgtt gtcctttgag acaaacgtga   300

gaggtgctaa taccttcctc aaacgtaaat acaactcccg aatctggaat attcttcatg   360

<210>   900
<211>   449
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   900

agctnttaac cttgcttctg tgtatgcaat tttaacaggg gacatatttt atgatgctag   60

tgaagatttt tctggcactg tatctgttga tgatggtgat gataatatct gcagaatttt   120

gactgttgaa gatagtttgg gtaccaatgt tggagtatat actgatgata cagaagaaac   180

aacagacatg ctacatgcac ctcctccttc tggaccgaat aagagaagaa aattaatgaa   240

ttcctttagt gctggagttg aagttgatag ctactcgaca gctgaaattg ataactcatt   300

ggattattct cagacctcta gctgtgtttc tgatgataca gttgaaacca ctcaagatga   360

tacactngaa accactcaag atgatatagt tgaaactact caagatgata cagttgaagc   420

aacacaatat agtgatggtc tactgtcat   449

<210>   901
<211>   399
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   901

ntgagggtgc gtagcccacc atctnttcat agtagagtat cgataatgtg tctaccatca   60

cgattatcgt ctcccttttcc atcattgngg gtaccacttg ngccgccaga tccctcaacc   120

ttttgggcgt gttctttgaa agatccgtcc ccctttntgc aaatgttctg tagttgcatc   180

ctatccagaa ccatatcaaa attgtactaa tactgcctaa caaaggcaac caataggtcc   240

ttccaagaat ggactcggga aggttccaag ttagtgtacc gggtaacagc taccccagta   300

agactttctt ggaaggaatg tattagcaat tcctcatctt ttgcgtattc ccccatcttc   360

tgacaataca tctttagatg gttcttggga caagtagtc   399

<210>   902
<211>   565
<212>   DNA
<213>.   Glycine max

<223>   unsure at all n locations
<400>   902

attgacgcat ctttangcat cactatcgat actcaagctn gcctanagag gtccaggana   60

gacaaggcgg ccgaaggaac tagttccgcc ccgtagtacg acagtcaccg ctttaggagc   120

gttgtacacc agcagcgttt cgaagccatc aagggatggt cgtttctccg agagcgacgc   180

gtncagctca nggaggacga gtatanctga ttccaggagg aaatagggcg ccggcggtgg   240

gcaccactgg ttactcccat ggccaagttn gatccagaaa tagtccttga gttntacgcc   300

aatgcttggc aacagagga gggcgtgcgt gacatgagat cctgngttag gggtcagtgg   360

atcccgttcg atgccgacgc tatcagccag ctcctgggat atccgatggt attggaagag   420

ggccaggaat gcgagtatgg ccagaggagg aaccggtctg atgggttcga tgaggaggcc   480

atcgcccagc tgctatgtat anccgngtan ngatttgccn gactgctgan ggagagagtg   540

cgatcatcnc accatatgac acccg   565

<210>   903
<211>   381
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   903

taggggggag aagtgaagaa gaaaagggtt cagcctctaa ggcacttctc tctttctcga   60

aattgctgag gaaaattatt ttcgtgaaga aaatccaagc cgaggcgctt ccgtaacgtt   120

370

tctgtaacgt ttccatgagt aattacgcga agattctcga ccgttcttca agattcatcg   180

ttcgttctgc gttttcttca gtcttcaacg ggtaagtacc tcaaaccaag cttttcaatt   240

cattctatgt acccgtggtg gtccacattt tgtttcatgt atttttattc tcattttcat   300

ttactttnta tacccccttt tgacgtgctt aagccattta tttaagtcat ttctcgctta   360

atgraanaat aaaataaatc t   381

<210>   904
<211>   387
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   904

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acaaatcacg tataacccac catccctgg tgcccacctc caactgagct cacgtactcc   120

cacgtagccc ttatcctcgn tcctctcaac gccgggtccc catcaatcct cccaagcttc   180

cacaacatcc aagtaattca acattcaatc atcacaaact aacacagcca agaaaatagg   240

gccaaggcag aaaactctgg ccaaaacaca aaccaacatc acagcttttc acattcaatt   300

acctcaataa gagtctctgt gttccaggtc ggtaaccgct ggatcgaact cgaaattata   360

ctgggaagct ctagtacata agtctac   387

<210>   905
<211>   130
<212>   DNA
<213>   Glycine max

<400>   905

gagccttgtt tccctttcct tgttttgaag ctcactacaa gccttaaatg aaaaaccatg   60

atatcaccat atccttaagg aattttggag ctttggaatt gttttgggaa taagtgtggg   120

ggggggggg   130

<210>   906
<211>   417
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   906

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ntccttcaca ttcagcanat tcagcattta aatgtgatat ttaatgttat gctntttttat   120

gccatgataa ttggtggaat gaatattatt tatttgtcaa ggtttcatga tatcgaatat   180

tgatacctaa naagggtaat atttcaagtt gtgtgattag tgttattttg agatgaaaca   240

ccaactatat gtaatcttat ctttgcatta tcaagttggt attaaaaatt tgtaatctat   300

tcgttggata tgatagtagt agggactcat aaggatntac ttagtaagag gcttaaccta   360

aagtaagaat ttgttttttct gagacaaaac tgcagagatc atcntgtttt attatta   417

<210>   907
<211>   465
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   907

cgtgcattca atatcctgat gaggaggttc catatgtctc aagactggac taatacattt   60

gctgtccaag tttcatggtc ttgcaggtga agatcctcat aagcatctta agaagttcca   120

tattgtctgt tccaccatga agcccctga tgtccacgaa gatcatatct ttctaaaggc   180

ttttcctcat tctctggagg gagtggcaaa agattggctg tactaccttg ctcccaggtc   240

cattaccagc tgggatgacc ttaagagggt gttcttgggg aaattcttcc ctacatctag   300

gaccactgcc atcaganaag acatttcagg catcangcaa cttagtggag agagcttgta   360

tgagtattgn gaaagattca agaaattgtg tgcaagttgt ccccaccacc agaattttga   420

gcaactcttt ctgcaatatt tctatgangg acttancaac atgga   465

<210>   908
<211>   588
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   908

gggaccacgg ggnnnnaatt gatcgcatgc tattangcca tactatagat tactcaagct   60

cgagttgagg aagtgtagaa gggtgaaact tcctggcttt attcgttgac cacagagtgg   120

tacctggaga tatgtcgcga gggtcaggag aaccttggga cgtcaggtgg tgtgctattg   180

cccaaaacca agcttgacca atcccgaccc aacccgggca tagtcggtca gtgagaacct   240

gtgatgtacc taaacaggcg agctcctggc agtcaacaga taaaaggaac aaagaccaca   300

tagcaaggag gcttgtggtg gctggccagt tgtgaacttt cattgatatg tgggttatgg   360

cctctggtaa tcgattacca agggtgggta atcgattaca aggcttaaaa atgaagacaa   420

gaggctaaga tggtctctgn gtaatcgata ccacggngtg taatcgatta ccaggcttga   480

naacgaggtc aggaagccat gagggcgtct ggtaaatcga taccaagggg tgtaatcgat   540

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<210>   909
<211>   267
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   909

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gatggtcgtt tctccgggag cgacgcgtcc agctcaggga cgacgagtat actgatttcc   120

aggaggaaat aaggcgccga cggtgggcat cactggttac tcccatggcc aagtttgatc   180

cagaaatagt ccttgagttt tatgccaatg cttggccaac agaggagggc gtgcgtgaca   240

tgagatccta ngtaaggggt cagtgga   267

<210>   910
<211>   361
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   910

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gcaaaatgat gaccctangg ctgctaactc gtaaatcccg tgggtatggc tcttgaaagg   120

cggaaaaaga agtttatgaa tgcaaaaacg cgcccccttt cgtcattctt atatattggt   180

gcangggtgg ctcgcccagg cgagctaacc tgcattattt tttttgagag gaacattaac   240

catgtccact ccttcctttt agcgctttgc ctaacttgaa cttacttaag ttagaatcaa   300

gcgttgatta cttattttta ataacaaaca gatagtaaga taactgcgaa tacaaaggat   360

a   361

<210>   911
<211>   471
<212>   DNA
<213>   Glycine max

<400>   911

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ttttacatgg tgatcgcgga tgtacatccc aactttagtc atattcagat tctcgttcaa   120

actagcgtcc accattgcac tccaacctac tcaatatagg agggctccat atttcaattg   180

tgctataacc acgcattctc tctaatctcc ccctgcacct tttttcattg aaccaatcct   240

agaaaaaata tttgcataat gaatcacctc cgaatctgta ctatccttat tgctccaaag   300

cttttcattc catctcctcc aaacactcca taacatcata gcaacacgtt tcccttgccg   360

gactgatagg acttgaatta atctgaatat gaattcaaag cacgaactct catcaaatat   420

cgttaggtcc tcaacaacat cccaagtgga agactcttaa gttaaatatt t   471

<210>   912
<211>   409
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   912

tatgcattgt ggaatttcac cagagagagc attgtttgaa acatctcaac ttgttgatgc   60

tttcagctta accgacttca aagggtaggc tttccattga acgagttgtg ggacaagttc   120

aataacaatg acaagtanga aagaccaatg acttgcaaag gaatagttcc actaattctg   180

ttgtgtgaaa ggtcaagggt attgtaaatt tggcaattcc caacaccagg atgtatgctt   240

ccttccaaca cattatttga caagtcaagt tgaaacaaaa gactaaggtt gccaatggat   300

aatggaattt ctcctgacag tttgctcaca tttaaattca atgactgcat cttttggaac   360

atgacaaaag aagcaggaat agtcccagta atctgatggc caccaatat   409

<210>   913

<211> 442
<212> DNA
<213> Glycine max

<400> 913

```
gatcttaagc acctgcggct gcagctttgc ttaagacatt gtcttggttg tttgcttctt    60

tattttttc tggaaattgc tagtttagta taggtccttg atttttggtt tatttgtaat   120

aaatgtgtac tccttgtgtt tgaggcttaa agcttaagta tagagtagtt gctttcaaga   180

atagtgttgc tatggaaatt tcctttaaat ttcgcggcaa cgtcaaacca aaatcctacc   240

caatgttttg aaatccatca tactgcgcct ttagaattcg aagaatggta caatgatttt   300

aatgggtccc accactgggt tatactgtat taaatatcca ataaatatac ataaataatg   360

gaatcacgtc ttagacagaa atgttacata acaatactac aaataatcac atactactat   420

gctacgaata atcactgatc tg                                           442
```

<210> 914
<211> 524
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 914

```
ngagatgagg aagtgttgaa gggtgaaact ttctgctntt attgttgacc acagagtggt    60

acctggagat atgtcgcggn ggtcaggaga accttgggac gtcaggtggn gtgctattgc   120

ccaaaaccaa gcttgaccaa tcccaaccca acccgggcat agtcggtcag tgagaacctg   180

tgatgtacct aaacaggcga gctcctggca gtcaacagat aaaaggaaca aagaccacaa   240

agcanagagg cttgtggtgg ctggccagct gtgaactntg attgatatgt gggttatggc   300

ctctggtaat caattaccaa gggtgggcaa tcgattacaa ggcttataaa tgaagacagg   360

aggctaagat ggtctctggt aatcgattac cacggngtgt aatcgaatac caggcttgaa   420

nacgaggtca ggaagctaag gaagcctctt gtaatcgatt accaaggggt gtaatcgatt   480

accaggctta naaagggaac tgggagatga tggaagcctc tggn                    524
```

<210> 915
<211> 305
<212> DNA
<213> Glycine max

<400>   915

ggctgcagct tattgctaca agcacttac tcttctagcc ccaagagact cagcataagg   60

atgcacagac caaagttgtg tttgtaaaaa aatgtgttga ccaatggaag gtgctaatgg   120

caaaaacaaa tgaaagctat gccaagcaag cccaaaaaaa aaggaaggaa gtggttcttg   180

aacccggaga tgatcttgga cattcgagga caaatgtttt ccaagaggga gggaatgatg   240

agaatcatga aacaggccaa atacagtcta aaggcccaag tggagaagga cgaaggccca   300

agtgg   305

<210>   916
<211>   353
<212>   DNA
<213>   Glycine max

<400>   916

tcattgccta acaagccaac ttacaacatc tagccccaag agactcatca taatgatgca   60

caggtcaaag ttgagtatga gataagattg tatgaccaaa tgaaggtgca tattgcaaag   120

aacaatgata gctatgccta gcaagccaac aagataagga atgaagtggt acttgaaccc   180

tgtgatgatc ctggacattt gaggacaaat gttttccaag aaggagggaa tgatgagaat   240

catgaaactg gccaaataca cgctaaaggc ccaagtggag aaagactaat gcctgagtgg   300

agaatgacaa taaccctgag tggagaatga tgaaagccca agtggagaat gat   353

<210>   917
<211>   404
<212>   DNA
<213>   Glycine max

<400>   917

actcagcttg tcatgacccg tctctttggt gcattattga tctgtccaaa cttaacagct   60

cattcttttt gaacatactg aataatcagc caggagctta caagcgtaca agtggaaaaa   120

ttactcaact cttaaagtat gttctaagtc tgagtaatgg aaatacatat tgcttagtat   180

ttaactacaa tgtttacttg acggatgagc agttcatcat agctattgaa aggtaacatt   240

ttctcttatt cttaattacc ccttaatttg tacatgcatt attaaacaac cttttataac   300

aaaaatactt catcaatatt agttctcaag tctacattaa atgccatgta taaatattat   360

ataaaagttg ttttcatatg ggattgataa gcgtgtgtgt gtct   404

<210>   918
<211>   453
<212>   DNA
<213>   Glycine max

<400>   918

agcttggcgg caaccacctc ccttttttc tctataatag gggaaaaagg gcagagtaat   60

ttggctcaac ccttctggaa tttaggattc tcttgaaatt agagagaaaa attgtttccg   120

tgaagaaaat caataccgac gcccttccgt aatgcttctg agacattttc gtgagcgatt   180

ttgtaaagat tcttcaccgt tcttcatcgc tcttcgttcg ttcttcgtcg ctcttcggtc   240

ttcaaccggt aagttcctga aataaaacct ttcaattcat tctatgtgcc catagtggtc   300

cccacctgtt tcacgtgctt ttattttcat ttcgtttgtg ttccgtaccc ctttttgacg   360

tgctttaacc attatttaag tcgctttctc acctaatcaa gtaataaaat gagattccac   420

caatcatttg agttgtaata tcgtttaatc tct   453

<210>   919
<211>   419
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   919

gcngcaccgc tnaaggtaaa gactcttcct gtggccttca aacttccaat atggtcattc   60

aggccctcac cattctgctc cttcttggga tatgggcaat ctctctaaat atgcccctct   120

tgtcaatagt tgatacaagt cgcgccttta tcagcataat tcgaggaaat gtgccctggc   180

ttaccacatt tgtaacaagt gatctgagtt gataaagaag tgggtttgct accattacca   240

ccagcaaacc ccatagcatc agtcctctga ttgttggggc gattaccata tgtcttaaga   300

ggggttgagt acgatcttcc ccgttggtga ggtccattct ttttgttctt cattgngcct   360

gcactcctat aatacgctgc cttgtatcag aagcttcatc ccaatccgga catgttacc   419

<210>   920
<211>   245
<212>   DNA

<213>   Glycine max

<223>   unsure at all n locations
<400>   920

cacaacaagc tttcacatcc acaatgcgcg cataaaccca ccatcccctg gtgcccacct   60

ccaactgagc tcacgtactc ccacgtagcc catatcctcg tttctctcaa caccgggtcc   120

ccatcaatcc tctcaagctt ccacaacatc caagcaaaac aacattcana cagcacaagc   180

tatcacagcc aagcaaaaca gagcaaaggc agaaaactct gctcaacaca tcaaccagaa   240

tcaca   245

<210>   921
<211>   397
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   921

cgcctaatta acctgatatt gagaganaat gattattaaa tacacaaaat ggaagtacta   60

agtatttatt atctatattt aatagaaaat acttataaca ttacaaaata accataaatt   120

ggaagagttt gatacaattt acacaagttt tatacacaaa agttcgtcgt attcaccgac   180

taacatagca caagacatat ccgtggaggg tttcgagggt atagtcaata acatcacgac   240

caacaattac ctcactttcg ctgacaaaga gatactcgtc gagggcaggg gacacaatgc   300

acgtgtctgt caaatgtttg gacaacatan gggccaaagt gctcatcgac aatggctctt   360

ccctcaatgt catgcncaaa gctactttgg acaagct   397

<210>   922
<211>   406
<212>   DNA
<213>   Glycine max

<400>   922

ggctgcagct tctcgatata ttatgcgcca gaatcggacc tcagtgtgat aagttatgac   60

cattttgaat tttcgagagc ttccattgtt caatttcaag cttctcgata aattatacgt   120

ctgaatcgga ctttcgtgtg ataagttatg accatttgaa ttcctcgaga gcttccattg   180

ttcaatttca aacttctcga tatattatac gtctgaatcg actttcgtg tgataagtta   240

378

```
tgaccatttg aatttctcga gagcatccat tgtttaattt caagcttccc gatatattat    300

gcacatgcat cagactactg tgtgaaatgt tatgaccatt ttaatttctc gagagcttcc    360

gttgttcaat ttcgagcgtc tcgatatatt atgcgcctga atcgga                   406
```

<210>   923
<211>   393
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   923

```
ctattacgga cactatagat actcagctag aattgaacac ggaagctctc aagaaattca     60

nattgtctta tactttcaca cggaacaccg attcaagctc ataatatatc gagactctcg    120

aaattgaaca acgaaagctc tcgagaaatt caaatggtga aaacttttca gacgaaagtc    180

ggattcagac gcataatata tcgagaagct tgaaattgat caacggaagc tctcgagaaa    240

ttcaaatggt cataacttgt cacacggaag tccgattcag gcgcataata tatagagacg    300

ctggaaattg aacaacgaaa gctctcgaca aattcaaatg gtcataacta ttcacacgga    360

agtctgattc aggcgcatac tatatcgaga ctc                                 393
```

<210>   924
<211>   382
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   924

```
atgccccaca ttatttccat gacacaaatg ccaaaatgat gatttggaaa cttcatgcaa     60

aacttgtcat gcatgcatct atgcggacac tcaaatgtca aatttttatg gtcatgtgat    120

gctaaggctc aggattcatt tcctctattt ttaatcaacc caatgtttcc aaaatatgtt    180

cttttatcaa tttgtgcatt catccgagtc catttcgggc gtccgggaaa tttcacagca    240

ttcacccttc aggcgtagac acatttccca aaaattggtt atggtcaatg aatnttttca    300

aagaaaagtt ggaaatcgtc tcttttcaaa agcatgtcat ttttagctag acaacttatt    360

ttctttnttt ctccttcttc tt                                             382
```

<210>   925
```

379

<211>     386
<212>     DNA
<213>     Glycine max

<223>     unsure at all n locations
<400>     925

```
nggttcgagg tacttacccg ttgaagatcg aagaacgatg aataacgaat gaagaacggt    60

tgataccttt gcgagattcc tcacggaaaa cgttacggaa acgtttcgga agtgcctcgg   120

cttagatntt cttcacggaa acaattnttc caagcaaatt cgaaggagag agaagtgcct   180

aaggggctgg accccttct tcttcatttc ctcccctatt tatagcaaaa taggggaggt   240

ggttgccgcc cagctcgccc aggcgagctc agctcgccca ggcgagcagg gttgcttcct   300

ccagaagcaa ccgccttctg gaggaatatt ccagagggcc caagtgggcc tgggtgctat   360

ttgcacccnn cattttacta agtaca                                        386
```

<210>   926
<211>   419
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   926

```
cgccatnntt tgtttaatat gtntnntttt tcaataaatg gaacttcatt ttatacataa    60

ttggtattag tataactatc aagtttcaac tattagaaat taaactagac attataactt   120

ttaaagcagt tactattata agaattaata tttttttcata atatatagca atccatgatt   180

agtttacagt atacaaaata tntatttcat taatatattt caattaaatt cttgataaat   240

aaagacacan ttttaacatg atctatcgtg tatatgaaag tgtcttcggg cagaatataa   300

ctctaacaaa atttctaaaa catagatata tacaatatca tataaaatat aaaataataa   360

aattttaaac tacaatggca aggtntataa tgttataact tcgggtaaca aaaaaaaaa   419
```

<210>   927
<211>   438
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   927

```
ctggtttaat gaaacatgca gnccatgtgc gccactggtg cgagtagaac ctgaaagtgt    60
```

380

```
ggcgtagctg cttactgtga aggcgccgaa actgtgatgc cacaaacttc aagtcatcgg  120

ctttcagggc aaaggcttcc acttctgaaa gggtttggac agtcctggtt gaggtangaa  180

ggttgggtga agaatgagga tccaaagccc acgtgagaag ctcctctcca cagaagtcac  240

cagccttgag gtactcagag ttgaagaagc cggttcttcc accgttagtt gtcatggtca  300

atagcttgcc acgcattatg aagagcatct catcaaccgg atctccctcc cggacaatgt  360

agctttcttc tgtgtaagca ctggcttgag aaagcgcaca ttgatncaga agtgttcgtc  420

atttctcaac attggacn                                                 438


<210>      928
<211>      491
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      928

tagtagcagt taccagaagt caatattgtg ccaatgacta tcatcatttc tatcttacct   60

antttgaatt atggccttgg tttgtgtgtc tagattgaca ccagactcct aaatacacaa  120

tatctttcat tgcaagctta gcaactgtcc caaaacccaa gtttattcga aaccaagtgt  180

catgatttct atattaccaa ttntgctagt tgttaatgtt gaatcatagt tttgctctct  240

catctgccct ttgtctcatc tctttacctt acaacttagt caattctatc attacccttt  300

ttcaatatgc agaatcagca acatgcaaac atatctaatc cagcaaatgc caccatcaat  360

agccaggcta tggtccagaa ccaacaaaat gcctcatgtc ccatttcttt catcttctaa  420

atntattgga gcttctgcag attaaaagaa gcattngttc ttcatttcac atgaatctac  480

tgggttagtt a                                                        491


<210>      929
<211>      348
<212>      DNA
<213>      Glycine max

<400>      929

agaagaagtt catagagatt gattggattg tcagaaagat tgaattgatt gaaaatgcaa   60

aacaaagcct tgctttata gactcttcgt gtctggtcaa gaagaccact tagaagagtt  120
```

381

```
ataactttta gaaaaactta aaaccaattt gaaaaagtca aaaccttttt gaagagttac    180

atcttttgat ttattcagaa acaaacactg gtaatcgatt accaaattag tgtaatcgat    240

tacacaaagc ttttgtgtga aaggatgtga ctcttcacat ttgaatttga atttcaacgt    300

tcaaaggcac tggtaatcga ttaccaaaac attataatca attacaac                 348
```

<210>   930
<211>   408
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   930

```
ctgatcanat gactaanatt aatcggcaca acagatattt agcagtagga gggaggcctc     60

caacatacac ccgcctagca tatcatgtac cctgtaaatt caatacataa agacaggcca    120

taatcaggga aagtcatgct aaacttaaaa tgaaacttat ataagactgt acttagtctc    180

ggcatgcctc catactcgga aagactaaac ttaaaacgtt ttgtgttgag gaagttagtg    240

tgtctctact ctgtatgtat aatgactctn ttcttctcaa tgaaagagaa tatcttcttc    300

cagtagcaca atgatactat acaaacaaga gcgcaatata nagaaacaca tggtaaaaga    360

agaccacaca cctttcatct acagcagcac atgatactgt aatatatg                 408
```

<210>   931
<211>   455
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   931

```
agcttctcac atctgactct ctagttccaa cgtggtgttt tctcttgatg cacttcctcc     60

gatcaccttg accaatggaa tctccttccc tcttaggtgc tttgttcgcc tatctttgat    120

cctcaaaggc aatgttccat atgtcaagtt cttcttcact tgtacgtcat ccaatttgat    180

cacacgagat ggatcatgga tatactcacg aagttgagac acatgaaaga caatgtgaag    240

gttagaaaga gacaggggta atgcaatttg gtatgcccac agtaccgact ttttttagaa    300

tttggaaagg acagataaaa tgaggtatga gttattgnga tttcaatgct cgaccaactc    360

cagtccacaa agtgactctc aagaatacat gatcactaac ctcgaactcc aagtctttcc    420
```

382

tccttcttgt cctgatagct ttctacctac tctga   455

<210>   932
<211>   328
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   932

tctacttcat aaccccttga actacttcac attgatctat ctggtccctc tagaacaatg   60

agtttgggtg gtaattacta tggcttagtt atagtagatg attactcaag gctcatatgg   120

actttgtttt aaccaaaaat gaagcttttg gtggctttta aaaacttgcc aaggtgattc   180

ataatgaaca aggtctcaac attgtttcac ttagaagtga tcatagaggt gaatntcaaa   240

atgagtcttt tgaaaactnt tgtggagaaa atggaattca ccataatttn tcttgcccaa   300

gaacacccca acagaatggt tttgtgga   328

<210>   933
<211>   445
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   933

agcttggaga tgatgcttca atggaggata agtaagagag aaggggggag cacgaaattg   60

aaggaataaa agagggagag aagttgaact ttgaagtgtg tctcataaga ctttcattca   120

tcaaagttac aacaagtgtt acacatgctt ctatttatag actaggtaac ttccttgaga   180

aaacttcctt gagaagcttc tttgagaaaa cttccttgac aagcttgagc ttagctacac   240

acactcctct aataactaag ctcacctcct tgagaagctt ccttgagaag attcctaaag   300

aagctagagc ttagctacac acacccncta taatagctaa gctcacccca tgccaaaata   360

catganaata taaaaaaaag ttcctattac aaagactact canaatatcc tgaaatacaa   420

gggtaaaacc ctatactact agaat   445

<210>   934
<211>   458
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   934

nttaactgaa tntgtagcgt tccaattgtt ttttanatgg tgtaatcgat tacaatatat   60

tggtaatcga ttaccagtgt atctgaacgt tgaaattcaa attcaattgt gaagagtcgt   120

atcttttcat aaaatgcttt gtgtaatcga ttacatggtt ttagtaatcg attactagtg   180

acaagttttg aataaaaatc aagagatgta actcttctaa tggttttctc aagattctct   240

caagtttata actcttccaa tggttttctt gaccagacat gaagagtcta taaaagcaag   300

accttgactt gcattgtaag aacttgatat aactttntac acannatttt gaacatcttc   360

ttgaacttct tcttcttctt cttttgccaa aagctttcta agttatttgg tttcaaacct   420

tgttttttcac aaanacaaaa gtgtgtatta tcttttta   458

<210>   935
<211>   401
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   935

agctnttctt tacaatcaat ctgtctgcta actaacaatt ctaaatgcaa gttcacattc   60

ttgttctttc tttgtctaac atacatacta gctcaaactc atgaaaagaa acacaaactc   120

catcaaaatc atgcactcaa tttaagtact tgtagttttt cgtgagggaa aatacttgta   180

cttgggggca tgtcactcgg tttggaactc ccttgtgact cgggcttatc accattgggg   240

gtggggtgga gttgcctgtg cacaacagga tgaccttgac acttgctacc cagctttctt   300

gggtgtgagt gtcgtgtggg aatgctcang ctatttcatg acgaatggta ctacattgca   360

tttgagagtt aaggtcaagt gcatgcatca tactaagcat g   401

<210>   936
<211>   422
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   936

tcacacttga taatggagaa cacatgatca gcgctaggca atgacattca tggtactccg   60

aacaaaggtg gagtatggag gattgccttg agggtccgca cttangcaat catgaaactc   120

384

```
agctccaaac tcgaaagtgg aggacacatg aacagccta agcaataaca ttcatgtggc      180

tccagaaaag gatgagaatg gaggattgcc ttgagggtcc tctcttangc aatcatgaaa      240

cacaactcca aactcaaaag cggaggacac atgaacagcc ctaagcaata acattcatgt      300

ggctccggan aaggacaaga atggaggaat gccttgaggg tcttctctta agcaatcatg      360

gaacacagct ccagactcga aaatggagga cacatgaaca gccctaaagc ataacattca      420

tg                                                                     422
```

<210>   937
<211>   506
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   937

```
ntttgctcat ctcgtccagn gatccttgag tcacctgcng catgcagctt gaagaaaaat       60

tagtattaat gtatgtaatg tataatntag tggngaatat taaggctata ttaatgatga      120

tatangattt cattagaatt agaaaaaggg gtaattaacg tcatatagag tctaaaagtg      180

gagggcattt ttggtaatga ctatacaact agtttaaaaa taggatttta atttaattaa      240

ttggtgacta attaaagtgt ctaattatta tgatgtaaat aattaanata agttagagtt      300

gaacaccctg aanattataa ctcagactga cataaaactc tatgtngggc atctgtgtgt      360

gtatgaagtt aatttcagta gctataccgt tttaatcata gaantntcgt gctatgatat      420

atgtatgtga ctggtttagt aagcttgact gngaatagaa ctacctttgc tagattcatc      480

agtgcacatt tgactgtgat taagcn                                           506
```

<210>   938
<211>   397
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   938

```
ngtanggtta aagtctcacg atagtcacgt gctcatgcaa cagttgttag ccatggctat       60

acgagacatc ttgccaaaca aagtcaggtt agcgataact cacctgtgct ttttcttcca      120

tgctatatgt agcaaagtca ttgatcctgt caagtttgat gagttggaaa atgaggccgc      180
```

```
aattatacta tgccagttgg agatgtattt tcccctgct ttctttgaca tcatgattca    240

cttgattgtg catctggtca gagaaatcaa atgttgtggt cctgtttatc tatggtggat    300

gtacccgatt gagcgataaa ttgcanaaga agccattgaa tttttttcag aatacttaga    360

gaatngctaa acctgtggcc ttctgagtct cgcatga                            397


<210>       939
<211>       422
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<400>       939

agcttgtaac ttatataata tatacatttt attgtaatta tattttaaca catcagaatg     60

gtgcgcccat aacccacagg tcccaggatc gaaacctggt tctgataaag agtggcttcc    120

gatctatcac atatatatat attttatgcg taaaacatat atcattacgc aatgacattt    180

gagtataata aaaaatagtt ctgcagggcc taacatttca gtgcttatat taatttagtt    240

accatttaaa ttttattatt gagtcaactt tttaacgtat attcatattt tctctttggt    300

aattntattt taatttgctt aagtaaacat atttttatg gataataatg gcttccagtt    360

tcttagtgaa ccacatctga aaaattatac ttgaacaaga agatgtgttc actatgtcat    420

ag                                                                    422


<210>       940
<211>       427
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<400>       940

ggtagagtcc ctntgtgtct ctagcttcac acacatgtag nggaacatct atgnaaacct     60

gcaacgtgta agcattgcgt tagctataat ttatgaagaa ccacttctag ttctataatt    120

gtacaacata ttagcatatg ccaaactatg tgtatcattt ggatcaccaa aataagaata    180

ttacctcaat aaaatctcct tttggcatta gtgctctgca tgcatctcta ntcctttggt    240

atggtgatat taaactagtg atgcaaataa caccagcatc tgcaaagagt ttagccacct    300

cacctganaa ttntatatcg tgatgtctaa ttattaataa aacaataaaa tataatcgga    360
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386

agatatcagg gaaagcattt agaaagcaac ataagaaaaa acagataaac tcaccaatcc   420

ttctaat   427

<210>   941
<211>   119
<212>   DNA
<213>   Glycine max

<400>   941

tgcttgagag acttctatgg atgttggatc tttgagcttc actatatgtc cttcaatggt   60

gattttcaat catggagttg catcggaaga taaaggagaa gaggcgagag gaggtgtca   119

<210>   942
<211>   473
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   942

agcttgtgtc attaagcgat attccactnt tggcgttgag cacgacctct tgtattgagc   60

gaattacctc ctcgggttgc aattgcactt agcgcacagg tctcgttaag aaagttgtcc   120

aaagatgtta tttgaaaaat ctcaatagta aaaaatgtag gcatgaatca agaaagttgc   180

agttcatgtt tgaaggtgat ccaacggtta acgagtctgg gatcatggtt ttactgaaat   240

aggttaaaca aactccacat aaccttattg ttcacaccaa gcaaccgcac acaaataagt   300

cacacaacac ctcaactaat ccaacttaat caaagaatgc aagaattata ttaaacatct   360

attttcagtt atcaatattn taggctgtta caaaagacct tttcttgggt atcaacacca   420

aagtattcaa gaatcttgga gatcagaact gcatagggac acctganaaa aac   473

<210>   943
<211>   357
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   943

tagatactca agcccattca aatgaaagga attcataatt aaaaagttga gaagggttca   60

cngaagagaa tntcaaaatg actctgaatt gttttgtgaa caaaatggca ttaatcgtaa   120

387

cttttccgct ccaagaacac cacaacaaaa tgggattgtg gggaggaaaa aaaagtccct 180

tgaggaactt gttagtgttt agctctactg agctntaaaa gattggctaa gatcttgtta 240

aaacataagc acttagacaa tgaatgaaag ctggagttgc tgcacatgat gtccaacgct 300

atgtcaagga ataagatncg gctgcacaat gcacaaggca agataaaatg tcaaatg 357

<210>   944
<211>   437
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   944

tatctctagc atgcattgta tgttggtctc gtcctttgtc acgggaagcc ggaaggtcca 60

tatcaccttc ttaattgtac acatggggca cttgccccccc aaatgcgcga agtagaagag 120

ataattttcc gggctctcgt gtccgtaaaa tgcattcata tcatgcatcg cataagcatc 180

tcttcataac atcataatgg acatatcctg catttgtccg ttatcatatt ccagcctcac 240

attttgcatg agtcatggca tcatcatgca tatgcgttca acaaactttn tgatctgcaa 300

aattgcatac catttgtttt catgtttgct catccttgcg ttttcctcta caaaacaaaa 360

acaaagaagg gggaagcgtg aaacttcaca ctacattctt agtttcatgt gttaggagcc 420

aaccatgttg ggatcat   437

<210>   945
<211>   349
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   945

ctaacctcat catctctcat agtctntaga tntgngagcc aatccaatcc ttgcgtccag 60

actctcagcc acttatgata gccgccgatg ctcccattac tgcttcccct aagctctatg 120

tcctttcttc acgccgcatc ccatgccttg cgaactcctt ggagtaccct cgcgttgtgg 180

tcactgaaac cccgtgcgat gaaaggcgtg atgctttcgt ctgatggcac tcctctcatg 240

gggtagccaa gctgtcttat ggcgaggacg ggattataat taatacaacc ccttgttcca 300

tcaagggaac atttggacat ccttcgcatg aagatagaat cctgattct   349

<210>   946
<211>   156
<212>   DNA
<213>   Glycine max

<400>   946

cattctctct cattatcata ttagcattgt aggggggttc agagcattta tacttcttct   60

gtatctcgag gaatggtcta caaaccttga agcctagcgt tagttgtctt atacgactaa   120

attctgtata gaaaaacctt tgtcacagca tgtata   156

<210>   947
<211>   387
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   947

atctaagggg ttcaaaatgg aattgtgcat cgaaaactag ttctcaaaac ttggatacag   60

tagtgtagaa gtaacttata gaaaagagat agttatatag aagagtaaag aaaacactaa   120

ggttttatac cggttcacct caactcttgg gctatgtcca attgtctttc aaaccttgaa   180

gggttccatt aatcaattct ttgattacaa tcaggtattc tctatgtcac ttctggctat   240

aatgagtact ttgtaccact catggcacta cccttaatct cctcatgagt taagacttaa   300

gtattctttg tcactaagtc attcctagcc ttcacaaaca atatatgttt gatagaaat   360

gattctaatc actcanagag tgttaca   387

<210>   948
<211>   400
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   948

tcacacatac acacaacana tcanagcana acaaacatcc aatcactgta taattacata   60

ctacaaaagc ctccataaca taacatcatc ctcaattctc aaaccctaaa caacaaagca   120

cccccgccac caaacacgca cacacaagca gctaaatatc attcaagaag taggatattg   180

ccataatcca caaacctaag aaaccacaaa actaaaccaa gcaccaacac cattccaaaa   240

acacctcaca aaacattcac acacacacaa caaaccaaat aaaaaacaca cccaccacca   300

attcacatcc aaatcccaat caaacaccaa tcaataacac caaaatcaac ttccaacaaa   360

tccaagccaa canacagcca tcaactacta canaccaact   400

<210>   949
<211>   384
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   949

cgccagcttc ttatccaagg ctcatcttgg tggtgaagct tcttcttcca tggcttattc   60

cctagtggat gacgcctcct ctcacctctt ctcctttgtc ttccgctgca tctccatggt   120

ggaaaatcac cattaaagga catcattgaa gctcaaagat ccatcctcca tagaagcccc   180

acaagcaagc ttccatcaag tggtatcaga gcacaagagc ttcaagtagg tgctccttaa   240

acttccatta attnttttgc tttaccttct cttccattgt tggttcttca ttntttctcc   300

atgtatctcc tcacatgtct tgtgctaaat gttgttaaca tgattcttta gagtttccac   360

caattaaact tgctatagaa gcta   384

<210>   950
<211>   341
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   950

tttctacttc ttccctgcca ttgtacaata aatgtagctt atagcatatt ccatagaaga   60

atctcatggc tacttatatc tgtgtaatgt gatattcgac aaaataaagt ttcccattgt   120

gtacttttaa gctaatagtt gaagacactc attgtgattg tcgttgcgct ttatctcctt   180

tatgtttaat tactcatttg acccctatag ttatagaaac tttctctttt agtccctata   240

cttaaaaaca tcccctntta gtccctacac attccatttt tattcccttt cagtctctac   300

acatcattnt aatcccttgt agccgctatg gtgaggacta a   341

<210>   951
<211>   464

<212> DNA
<213> Glycine max

<223>   unsure at all n locations
<400>   951

agctntngng atacttggtt catagcaata tgttgtttgt cttgaaatga tattttagca   60

gatatgtgat gcagctctgg gatctcttga tttccttgag tttcaatatt tgttagcatt   120

tactactgtt ttgcatcaat tttgtcttct gtgaccccct tataatgtgg attaattcaa   180

ttgagcaaat ctgttcgttn tatgctcagc ttctataagt cttttcattt acagatatat   240

tgtaatattg ttattgagtt cttggtttaa aactagttat tgttattgta tctacccttg   300

atttaaaact agttaaattt ataagatact ataattcaaa agggcagata gatccaaact   360

tgatacacat tttcacttga gagaatccna gtctgtgtgt aatcatcgcc ttccatttca   420

atgggattag gtgatggttt tactcatgtt atgactctat cata   464

<210>   952
<211>   309
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   952

tgagcttaat gaattaattg attgattgaa cctggagcct attcagttgt atcttctgct   60

accttatttt aagttgtagg agagcatcat ccacagaaga tggttcaagg aaaatttgtc   120

ccaaatttgg gggaggtatt atcaacgtaa atntgttcca aatttgggga aggcactcgg   180

taacgattga aatggtcaaa gaaaatagta tatacacact ggctctatta tctgtgttaa   240

aaaaaaacca ataaaaaact gtacgtataa ataaagttaa taagtgtgta tgctataaat   300

tcaggcatg   309

<210>   953
<211>   481
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   953

ggatccttaa gcactgggct gcagcttaag aaaaggccaa actctccttt ccaaaatttg   60

```
attttaggct taaataggtg gctttgttcg tgcttgagcg cttagcgcaa ctctgaaccg   120

cttagcacga attagtgaat ttcggcttaa cgcgtgcttt tctcgctcag cggatggact   180

aaagcggtgc gcttaacgag atgacccttt gctcagtgaa catgcacagc tcatccttct   240

tctagattct tcctcgcgct cagcggatag ctcgctaagc cagtagattg gcttagcgag   300

aaggtgaaaa tcagcacctc acaaactttc ctaattaacc tgaaattgag agaaaatgat   360

tattaaacac acaaaatgga agtactaagt atttattacc tatctttaac aaaaagtaat   420

tacaacactt acaaataacc ataaattgga ggattntgtt acaattatgc cagtttatac   480

a                                                                    481
```

<210>   954
<211>   436
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   954

```
gggattccta gggcctaagt catatttggc actntattct agcttctaca aactgtccac    60

acactcaaan atgcagtcac atatgtacaa attntttcca caagctaaat tccatataaa   120

cacacgcaaa tgccattgag gcatgtcacc gaacacttga tgggtgcatg tttagacatg   180

aaaaaaataa ggaacggngg gaatgtgaca tgcccattca tctcagagtt cacaataggc   240

ttgcggccat cccatacaac cccccaattc aaacaaacaa gcatgaatcc aaacattcat   300

ttcctcatga aatntgaaaa tacaagcaaa caaagcacta aaatacagca atggcaagcc   360

aaagatcana ggagaatgac acttaattgt anggagtgga acaaaatgca taaaggagaa   420

caaaaactca acaatg                                                    436
```

<210>   955
<211>   384
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   955

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agcttgtctt ctctagcctc tnttgngctt ttctacattt ccttagtgac aagtcatctg    60

cctagaagtt tcttgtcttg acctggttgt tgtgtctttc tcatctgcca tgcacttcca   120
```

tgtttaattt cgagtgtctc ggtatattat gcgcctaaat tggacatccg agtaaaaagt   180

tatggccatt tgagtttgcc tagaactttt gtgttcaatt ntgagcatct tgatatatta   240

ttggcctgaa tcggatatcc aagtcaaaag taatggccat ttgaattttc cttctgcttc   300

catatataat tntgagcgtc tcgatatgct atgcacccga atcggatatt cgagtgaaaa   360

gttatgacca tttgaatttc ttga   384

<210>   956
<211>   437
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   956

ntgaacaata tacttggtct tcatttaact gtctttgggc ttggcggcca cgctcaacan   60

agtactttcg acacctacta tacgttgatt tcaccaatgt tgttatggga atgttgcgac   120

aatcctttan aaccttattg atacattctg agaggttcgt tgtcatatgg ccatatcgac   180

gtccttctct atcgtaagtc atcgtccatt nttcctttga gatgcgatca atccatgttg   240

ttatggctgg actcagttca cgaaattntt ctaaattttg atcacaaatg tgcttgcatg   300

gagtgtangc ctgcataaat aactatgaat aacactttaa gtttaatgaa gcaaacatac   360

gtgacatcaa tatgaatcta cccatttgtc acattttttt tgttacttat tgaatttcat   420

tgaagtcgct tgtatgt   437

<210>   957
<211>   525
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   957

atttttatga tgcgtctctg tacacagcca tcctctatag tcgcactgcn tcantgcaag   60

cttgaacaca cattgtgcgc gtgggtgata tccactacac aaggtttgaa gtagaagaga   120

ccttctaccc tatcacacaa cgtggaggac atacgggggc ccgctacatg aatggccatc   180

attggcaatg ctgaagggat tctgcgcctc actatgcgag tgcacacaat aatgcagatt   240

gtgcgtacgt gagcatgaac tactaccact atatagatgt gtggtacaca caagagcaca   300

393

```
tcttagaagc ttactccgca caatggtggc ctacttggaa tgaagcagac atatctcctt    360

ttaatgacgc acggacactt atgcctgacc taactacgat tcacgcaaca tgtcagcgca    420

gatcaatacg gataangact gatatggact ggatcatacc atntgatcgc cgacngacac    480

gtaatacacg tggagcctaa ggggctacat gcatgctgcc tacga                    525


<210>       958
<211>       523
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<400>       958

tctaattaac ctacatatga gagaagatga ttattaaaca ctcataatga agatactaag    60

tatttattac ctatacttaa tagacaatac ttataagctt acaaaatagc catatattga   120

gagagtgtga tacaatttat acaagtgtta tacgtataag ttagatgttc tcaccgacta   180

acatcctatc aaggtcatca aaattagacc agtttccatt cttgaatgac cctaacaaag   240

catgcatgta cgtgatcaag gtaaaggcat actagaatga atagctgata gcacagagaa   300

cacaccaaac atcattaaat agatagaatg atatttacat caagtaccta caaggaagat   360

ccaacagagg attntagctt tccatatcca ggaagccttc tttacaacan agagaagaat   420

aagatgacag agtgctgcta tacaagcggt gaggatgtct tcttcacctg taggatctca   480

caaccactca agaactcatc tcagactcat agaaacggct tcg                     523


<210>       959
<211>       304
<212>       DNA
<213>       Glycine max

<400>       959

atcggtgaga gtgtaacctt aaactgtgag tgaacgacta gctgtgagta ataatctttg    60

catgaatctc tgaattttag aatgaaatgt ataactgaga acatgatgaa ggccatgatt   120

gtacatatac aagctctttt gaccaaacaa cttaccttga atgataattg catcctttgc   180

tccctttttg agctgaatga tgttgtaaaa aatttgaacc ctaaactaaa ataattatgt   240

cttgatacct tgtttagatt ttaggagagc atatggttca aggcaaatct actctaaatt   300

tggg                                                                304
```

394

<210> 960
<211> 344
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 960

```
tctggtggga catcttgact tgctntccaa tctgacattc accacanatt ctgccttctt    60

ctattttcag aatgagaatg cctctaacaa cacctttgtc aatgattttc ttcatgcctc   120

ttaagtgcag atgtccaaat ctttgatgcc atattctgac ttcatcttct ttggaggata   180

gacatgtgga ggagtaactg gtttcttgag gtgtccatag gtagcagttg tcctttgatc   240

tgctgccctt cattagaact tcactcttct catttgtcac caagcattct gactttgtga   300

agtttacatt gaatccttca tcacacagct gactgatgct gatc                    344
```

<210> 961
<211> 385
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 961

```
gtccatgagg aatctccttg ggaaagacat ctttaaattc ctgcaataag ggttgaacac    60

taggagaaac ataaatagtt tactgattag aattatcact ctctctctct tgtgtatcac   120

tccatctctc aagtgtatca ctcttccttt ttctattcct ctgtgatgcc tcactattgg   180

ccctctcttg gtctctcttt tctctccttc tgattcggac atcacacact tctctgaggg   240

ataaagtttt atgaataatt ttctggtcat ggtgctggag agaaatcttg tttgagaacc   300

catcatgcac tgctttggag tcctcctcaa tgatggccct cactagtgcc atctccatct   360

ncttatcact aacaatcaaa ctttc                                         385
```

<210> 962
<211> 247
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 962

```
ggtagaatgg ccagacatga tacatgtcag ggattggttt ggttcatagg taatatggat      60

gtcccacatt atttccatga cacatatgca aaaatgatga cttggatact ntatgccaaa     120

ctggtcatgc atgcacctat gtggacactc atgtgtcaaa tttttatggt catgtgatgc     180

tagggctcag gattcattct ctctatttta atcaacccaa tgtttccaaa atatgttcct     240

ttatcca                                                               247


<210>      963
<211>      357
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      963

agctttaaag tttaaaaaat gtaatgtaac atttaataga gttcaaattc ataactaaca      60

tggcataatc aaactaaaat aaataataac caagagtcaa taatcctttc acgtgtcatg     120

aggacgataa acctgagcat cattaacatg gtcctcagtt ccatctgtta tggtagtgga     180

tggactanga gctagcatga tagactgaat atgcaagtgt tgtagtatat gctgcatttg     240

ctcattntgt tgacaaattt gctcattntt tcttacatct gttgtcgcat ctcttgactn     300

tggtggtcat gagtctccat tagttgcaac atcttttcct caagtgtctt ctcctta       357


<210>      964
<211>      406
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      964

cgatgtacac taagcctcac atcttaggct aagcgcatat tgcagaaaga attttggtgt      60

tgcagaaagc gctaagcacc gctgctgcac taagccccaa atgcttattg gaagttacaa     120

cttcaagttg ggcttagcgc ggngctaggc taagcaccag tgttttaaac tcaaatgtca     180

tgttggcacg ctaagcgcac catacgaatt tcagttnttt aaaagtagag gcagaggcac     240

ttgggttgct accttggcac ccaaacctct gcactctctc atctctgagc atatttctat     300

ttctgctttg tgcttattga tcctctacat ctntcttcac actctgcatt acacaatcca     360

agtaagtaac ttgatttctt ttcactttta ttttcatgtt tcacag                    406
```

396

<210> 965
<211> 330
<212> DNA
<213> Glycine max

<400> 965

```
aaaaaaaatt aaaaattaaa accagggtaa gggagcttac ttggtggtga cccttttttca    60

catttccttt ttcccaaatt tggaattact cttttttatgc cgaagccggt taccggaaag   120

tggctcggat cggccaagta ataattaaaa cggaatgatc cgagtgtcaa cacagggaac   180

ttattccttt ggcaaagctt tgttcaacaa tcatgcattt tggtgacaga aaataataat   240

tgtgaattga agtaaaagta tgatatatcc taattgaaaa gcagtaaacg tgagcaaata   300

agtgtgaaaa cagtgatcta aaagcattgg                                     330
```

<210> 966
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 966

```
tgattntngt tctgattgca tgatgctagg atagttgata gttaanatag tgttaggaat    60

tatattttca tacaatgtat gttgttctgg ttaggaattg atggcctaat tgtagaagca   120

agcttcatga tgatgaacct agcaatttg acgatgccaa aagaccaagt gattgattca   180

agacttcaag atcaagcatc aagaatctaa tccaagattc aagattcaag agaagaaatc   240

aagaagcaat aagtcaagac ttcatatagg ataagtatta aaagaatttt tcaaaaacaa   300

aatagcacag ttttggtata caaaagaatt ntctcaaatt ntttaagtta ccagagtgat   360

tactctctgg taatcgatta cctgttatca gtaatcgatt accagttgtc ataccctaat   420

t                                                                    421
```

<210> 967
<211> 488
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 967
```

atccttaagt caccgcggct gcagcttata aactgttttt aaaactacct catattttag 60

tttttagaag taaaaaacaa aaacagcttt aagatgttnt gcttttcagt ttttgttttt 120

ctttaaaatc tacaaaatac aagaataaac agagaattta cagttttcat taatggaatt 180

tatttaaata tcttctcttt atcatttctg aaacttttgt aagcattntt ttgggatatg 240

attatttcaa ttggccatga tgttatgttg gtgccttgct aattatgtta atgggtggtt 300

taatggccta ttaatatgag aaatatagct tgagtgggtg acactcactc agctgaagct 360

tcttatatta tcacacaaaa gccaaccagt acatatgtat atagagaggt gcagactaag 420

caccttatca aacggctaca gcagagaana agacatgaaa ggactgacta ttacaatnta 480

caagaata 488

<210>   968
<211>   355
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   968

ttgaattgct ttntggcctt ctggngtctc cctgcctcca attaagactc gatccgggtt 60

gaaaagatct tggattgcag ttccctcagc aaggaattca cggtttgaaa ggatttggaa 120

cttgattccc tttccattgt gagtcaaaat cttctctatg gcctcagcag ttttcacagg 180

gacagtggat ttctccacca caatcttgtc actcttgnag acatcagcaa tcatgcgtgc 240

tgcactcttc cagtaagtca aatctgcaac cttgtcggct tcaagaccac gagttnttgn 300

cggcgtgtng acggagacga acactatgtc agcctcatag acatgtttct caaca 355

<210>   969
<211>   483
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   969

cggggattga tgcatctgca ctcgagatcc tctgagtcac ctgaagctgc acgctctctc 60

aactactgga cacatggttc acagatgaaa gcaagaagaa tgactacaag atgatttatg 120

ttgtaaaaaa tgtaaggatc accaagtatt tgaacttgta atggttctct cggtaagctt 180

398

```
caactttccc aatctactcg aagcacaaga ttgtcaaagt tggtggaaat gaaaggagcc   240

tttcatccac agctagtcaa gggtttctac agctatgcac ttgttgaccc ttgaagtaac   300

ctctcttcta aataaatgga gtaaaatagt cttgatctat tgatggaaga agtactggct   360

ggatatgggg gagtcacaat tctataaacg atgatgggac aacagatgag actatganga   420

tgttctgacc tttagaactg aaaatcctaa agtgtggctg ttgagagcaa atgtgttatt   480

ctt                                                                 483


<210>      970
<211>      376
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      970

ntgtcctcag atcactcttg ttggactcag cccaatcgag atactcctct taggtttaga    60

ctaacttaaa ctgagtttca tctgcagatc cctcttgtac caatgccaaa tagtactcta   120

acaggagatt ctttggtgga agtagtggat tataccatca agacaagaga gcagataaca   180

aagttaatta cttcaccaca acttgcttcg cgcccaggaa agaatgaaac attatgctga   240

cctcaaacga gtggacaagg agttcaaatg tggagaccta gtctatttaa taattcactc   300

atacaagcag cttactttgg canactatgc tttccacaca tagcagccac tagcggtcta   360

tgtaaagaaa catcat                                                   376


<210>      971
<211>      338
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      971

ngttatatac ggaagacaag aaaatgggat atgaacgaaa tgatgatgaa agcttagaat    60

ctagacatga attgaaagtc tcagattcga aaacttaccc gttgaataat gaagaacgaa   120

tgaagaatga atgaagaacg acggaaaacc atcatggatt tgctcacgat aacgtctcgg   180

aagcattaca gaagcacctc ggcttggatt ttcttcacgg aaacaatttt ttttcaccag   240

aacagctgaa atgcatagcc aggggatccg ggatccttgg aacaacccccc tttttctctc   300
```

```
tttataagaa aaggcgagag gatgttgctg cccagctc                         338


<210>      972
<211>      393
<212>      DNA
<213>      Glycine max

<400>      972

aagatctaac agattcaacc taatgttcat gagaatgatt gttgcagata atattaagat   60

aactctccct aagactgata atgctaaaaa gtttatgggg ttagtgggag agcgctctca  120

aatagcttat aagtctcttg ctgggacatt agtgagtaca ttgaccatca tgaagtttga  180

tggttcacgt actatgcatg tacatgtcac ttagatgaca aacattgcaa taagatttaa  240

gacctcggga atggttgtga ataagaactt ccttgttcag tttattttga actcattacc  300

atttgtgtat gacctgttcc aaatgagcta taataccatg aaagataaac ggaatatgca  360

tgaattgcat agtatgttag ttcaagaaga aac                               393


<210>      973
<211>      277
<212>      DNA
<213>      Glycine max

<400>      973

aggattgatg gcgacccagt attgagagat acgaggatat gggctgcgtg ggagtacgtg   60

agctcagttg gcggtgggca acaggggatg gtgggtttat gcgcgcattg tggatgagga  120

aaacttgttg tgcaccatcg accgaccgcc acctagtacc acatgtgatg ggtaccccat  180

aatcctacaa gcttgagatg aggaagtgtg gaagggtgaa acttccttgc tttagttgtg  240

accacagagt ggtacctgga gatatgtcgc gggggtc                           277


<210>      974
<211>      457
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      974

agcttctaga gagttctaca ctactctaat attctccttt ctacactntn ttaaaaagtt   60

ataaaatttt ttagaacctc tccaatcaag aaggaatccc aacacattcc ttaatgcgga  120
```

```
tatcttcatt tcaagaagaa ttaagtgatg aaaatataag gttggcttga tgataaaggg    180

tgaaggaaga gagggatagg aatcttccgg ttaacaaaaa ctaataaatt aacaactaac    240

atttaccgat aaaaaaaaaa aagatagaat taagtgatta gttttatctc cttttcacat    300

tataggttct tcaatgtttc ttcacaattt ctaaaacatt gtctgtagac tgctccaagc    360

ccagttcctt ctcaaacagc cccagagaaa tgacattgat gtgtctaata taagttctct    420

cttagtctta aaatttcaaa tgtagtgttt actatac                             457
```

```
<210>     975
<211>     577
<212>     DNA
<213>     Glycine max

<223>     unsure at all n locations
<400>     975
```

```
attgacccat gtgaangcga tctattangc gacactacag aagactcagc tcagtccaca     60

tagtcggcag acttatctga atcttttgaa gatgagagaa cacgccaatt aanaagagaa    120

agggagaaac ttcaagaaca tggtcttcac tcttcacgtc caagagaaga atccccacaa    180

atatcacaaa caactcttcc acggatttca ccaatccaag cactcacgtt caaagcaaat    240

aacaagagca acagaatcaa acccatcatt gtcttttgtt tttccatggg tgagattgaa    300

aaaaaaacaa caaanaatgg tatctttcac aagcactatg tctttggatt ctatgagtag    360

ttttcttata accataatgc tcctaaagga tgtttatggc tcatagtgca tggattnttt    420

caccgacatg atatcttata ttatgtgtaa gactatctga actntatgtt aagatcactt    480

ggattctcaa ttttaatgga tggttntagc taataaaaga atcttatatt gtacgcctac    540

aaataaaaga acaaatcgtn taactttaca ttctttn                             577
```

```
<210>     976
<211>     460
<212>     DNA
<213>     Glycine max

<223>     unsure at all n locations
<400>     976
```

```
agctnttagc attntaccat attatataat ggctagcttg ttatatattc tcctaactac     60

atggcatgcc aagatatcac taatatgttt aatgtccacg gttgtttctg ttaagtttgg    120
```

gctacgtgag ttgactctga taccattatc attatcatga tgtactgttc atggacccaa   180

ctatatatta tattattaat tactaaaata agagttagtt ttaaaacact acaactttc   240

tactataaat gtattggtga aatcattcat tgaaatgata atgctactta catatattaa   300

ttatttaaaa atgtatatta taactntacc acttctctaa aaaaacaaaa aanaaactt   360

ttccatttta cataaatatg taatatggtg ttaattgata tgtatcaagc atttattttc   420

actaacccaa gtctgcagga attctatgta ctttgtcatt   460

<210>   977
<211>   307
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   977

tgcataaatg agaggaaact tgagtaagtt ntatttataa atatatatta cagatgatca   60

tcttttaatt tcgaaaaatt atattcactt ttattctgca ataaatgttt agttattttc   120

tgttgaatta gaatttaatg ctgattttc aattaatcat ttctaaacta atatcatggc   180

ttgtggacat tggaatctat tacattagtt tccccacgct aaaaaaaaaa tagtgatggt   240

caacaattgc ggcgttattc catgtgcatg gagatcaata caccgacaaa atagtgaatg   300

cacccat   307

<210>   978
<211>   260
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   978

ctttgatagc cctttntgag ccttgtttcc ctttccttgt tttgaagctc actacaagcc   60

ttaagtgaaa aaccatgata tcaccatatc cttaaggaat tttggagctt tggaattgtt   120

ttgggaataa gtgtgggggg tttttgtttc attggacaac ttgttttgtt ggctatgctt   180

catgatgtat tctgggccat acttgatgta cattgtatat tggttaaatg ttggacatgc   240

tgaatgaaat gttgtttctc   260

<210> 979
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 979

```
tgaagggaag agagagatcg atcacgagca catagcatgg tcttaanaga agagttagca    60

gcttgcttaa ggtccaaaag gaacttgact cagcgtttgt gcgagacaga gatcaacatg   120

ttggctatca tcaccaagta tcaataagaa ctaagtctag ccacagccca cgagcatagg   180

gtggcaaacg agtatgccca agtgtacgcg gaanaggagg ctagaggaag ggtgatcgac   240

tcgttacacc aagaggcaac catgtggatg gaccaatttg ctcttacctt anacgggagt   300

caagaacttc cccgattgct agccaaggcc aaagcaatgg tggacaccta ctccgcccnc   360

gagggagatc acagacttct cgactattgt cagcatatga t                      401
```

<210> 980
<211> 363
<212> DNA
<213> Glycine max

<400> 980

```
gcagctaact accatgcact acggatatac tctaaggaac gcaaaaagta acaacaaaga    60

ccacattaag aactacatat gcagcgacct caacgcaaaa gtattacctt cactcctcgc   120

aaccaaaggg aacaacacac caaaggaaaa atggaaaaca aagggaactt atccaaaaac   180

aaagcatgaa agtcagcaaa caacaaaaaa ggacgcgaaa agatagaaca agaaggaaaa   240

atttagtaaa gaatcataga acgtgaagta aacaacaaaa caataacaaa ccgggtagaa   300

aaacagctac agccgcgcca aacacagaca tgcacaacag acgtaaaaaa cttacacctt   360

gaa                                                                363
```

<210> 981
<211> 366
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 981

```
cgctcgtgga gcttctatgg aggctggatc tttgagcttc aatgaagtcc tttaatggtg    60
```

403

attntccact atggagatgc agcgaaagac aaaggagaag aggtgagagg aggcgccatc 120

cactgtggaa taagccatga aagaaagagt ttcaccatca agatgagcct tggataagaa 180

gcttggaagg atgcttcaat ggaggaaaag acagagggag agaaagagat aggggggagca 240

agaaatcgaa ggaataaaag agggagaata gtggaacttt gaagtatatc tcacaagact 300

ctcattcatc anagttacaa caagtgttac gcatgcttct atntatagac taagtagctt 360

ccttga 366

<210>   982
<211>   514
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   982

tgcnttattg ctctatctac tcccgngatc cttgagtcac ctgcggcatg cagctntcng 60

gtgcggtcta ggacacaatg tcaattcata cgatatgcga ggatgactcc ccgagcaagt 120

tggatttggt atgaccatgc cctcctggtt tctgactang aaattggcga gtggaggagc 180

gcccacacat ttacgcgaca agcataatgt aacccttgt ggctnttaaa ctctacggng 240

gggcctangc tntagagatt cctttgtta tggcattatg tcttttgttc ttgaatttat 300

aaatataaag atctttcttc atctgttcct gcacctctac ccattctcat tcatttgcat 360

gtntatttct ntacgcttaa nacactagat ccaacaacga gtccctcnaa ggtactaata 420

cctgngaccc tgncatcgat tcatgcaaga agcgggcaca cagagagtga gaggacgatg 480

atgtgtactt tcccacagtn gagaaatagt actn 514

<210>   983
<211>   369
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   983

gcatttggac acctattatg tatctcctat gctgtaccta catacgtatc agcagggcca 60

ccatctcaat atttacgaga tcatattcat acaccattgg ggcatttcac caagcacttg 120

gtgagcgcat gtttggacat gaattgcaag agaatgggag caatgtggca tgccccattg 180

404

cttcaaaata caacctatgc ctaagacctt ttcattcaga ttctcaattc aagataacaa 240

gcgcctaagc taaccataac tgcctcacaa atataatgca tgttctcaca atttagggca 300

ccaaaagatg aagaaaacac atcantggga agcatataca tcaaagatcg aatacttact 360

tgttggagt   369

<210>   984
<211>   419
<212>   DNA
<213>   Glycine max

<400>   984

agcttcgctg atttagtttt caccgacgaa atgatcgaag tgggtctaaa aagaggcaaa   60

tctgatcatc atgctttgat aaatgcaaaa aaaattgggg caagtgaaga gggtgagaat 120

gaaggagaaa cccatgttgt gactgccatt cctatacagc caagtttccc accaacccaa 180

caatgtcatt actcagccaa taacaaactt tctctttacc caccacccag ttatccacaa 240

aggccatccc taaatcaacc acaaagcctg tctatcacac ttctaatgac gaacaccacc 300

tttagcacga accaaaacac caaccaaaaa ggaattttgc agcaaaaagc ctgtaggatt 360

caccctaaat tccggtgtca tatgctaaac ttactctcaa atctactcaa taattcaat 419

<210>   985
<211>   423
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   985

nggatggcaa tagaattaac caattattag tttggccata ggaagttcga ttgccttatt   60

ntatttcgat tntgatttca ttatgtttct ttaattntgt ttcttacgta aacaaagcaa 120

ctgccaaatg catttccctg gaacaaattt atttgaatat gtctttgggt ttgttaaatc 180

aattnttaac tnttagtaga cttacacaaa tatgttatgt tatccaatgg gcatatgtaa 240

cgggtctaaa gattagacaa cgtatattct tcattaagaa aaaggaaaag gcgattataa 300

ttntgactta agaagttgtt ntgattctgt ttactgattc anaagttggc tgattgtttn 360

ttagttntct actggatttt attatccttg aggacttgtg gtgtcctcac atagtgtatt 420

405

ttc

<210>   986
<211>   311
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   986

```
tctgttgttc aatttcgagc gtctggatat attatgttcc atattcanac atccgagtga    60

aaagttatga ccattagaat ttctcgagag cttccgttgt tcaatttcaa gagtctagat   120

gagttatgta cgcgaatcga acatctgtgt gaaaagttat gaccattcaa atatcttgag   180

tgcttccgtt gtgcaatttc gagcatcttg atatattatg tcccacattt ggacattcgt   240

gtgaaaaggt atgaccattc gaatttctcg agagcttcca ttgtttaatt tcgagagtct   300

agatgagtta t                                                        311
```

<210>   987
<211>   575
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   987

```
attgcacgca tctattangc gcactatacg aatactcaag ctcttccgga gcccatgaat    60

cngcgtttcg ttcatgtgtc tccacctttc gagttggagc tatgcgtagg gattgcttag   120

tgcaattctc cattctcaac ctttntcgga gccccatgaa ttgcgttttc gttcatgtgt   180

cctccaccct cgagttcgga gctatgcgta gtgattgctt agtgcaattc tccattctca   240

aactttttg gagccccatg aattatgttt tcgttcatgt gtcctccacc ttcgagtttg    300

gagctatgcg tagtgattga ttagngcaat tctccattct caaccttta cggagcccat    360

gaattgcgtt ttcggtcatt gtgtcctcac cttcgagttt ggagccatgc gtagagattg   420

cttagtgcaa ttcttcattc tcaacccttt ttcggagccc atgaattgcg ttnntcgtca   480

tgcgttctcc acctctcgag ttggagctat gcgtagtgat tgcttagtgc aattctccat   540

tctcacacct tttcagagcc catggattat gtttg                              575
```

<210>   988

gtatatgaca tgtcccactt gtactttntt tttttatcta atttgcatcc cacaaaatta   60

gaatctctgg atcttgattc atccactgat ttacctttct catttaagtc aaggtaggtt   120

gatgtagcca taagaatgga cgcttctttg cattnttcca taccaaattt ttttattagt   180

tctatgcagt atttattttg accgaggaag gttccatgtt tcattttctt gacttggagt   240

cctagaaaga aatttaattc tcccatcata gatgtctcaa attctttttt gcatacaaca   300

tgaaaatccc ttgcataagg tttcattagt atagccaaat ataatatcat caacatatat   360

ntgaacaatt aacaaatcat tgtttacttt cataatntaa caaagtttgt caact   415

cgatgataaa gactccccaa gctatntatc ttctctctca gagaggctnt gtctcactct   60

aagaagtgga tcactcttat cttggatgga taggaatgaa agctcctaca cttatttata   120

ctactccatc tncacaataa atggtggaga ttacttgtct cataatgtga agattaattc   180

tctataatgc ttcacacatt ctaagagttt ctacactctt ccatattctt tcataaggtt   240

ccagaaagtt ttacacatct   260

tactttgtca ggtacatggt cacttgcaat ttcattcctt agctccttgt cccttgtcaa   60

gatcttccaa gatactatta taacttcttt aggaatctct tctgaagcct atccttcaag   120

ggtagcagcc ttcttttttg cttcttcttc tgctntcttc ttcatggtct tttatgctct   180

```
<210>      991
<211>      585
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      991

agggtacaca gcacaaaagg acngctgcgt aangctacct atcattactc aagctcgaat      60

gaggaagtgt agaacggtga aacttcctgc tnttattctt tgaccacaga gtggtacctg     120

gagatatgtc gcgggtatag tcagtcagtg agaacctgtg atgtacctaa gcaggcgagc     180

tcctggcagt caacagataa aaggaacaaa gatcacaaag caaggaggct tgtgtggttg     240

ctggccagtt gtgaaacttg attgatatat gggatgtggc ctctggtaat cgattaccaa     300

gggtgggtaa tcgattacaa ggcttanaaa gtgaagacag gaagctaaga tggcctctgg     360

taatcgatta ccaaggggtg taatcgatta tcangcttga aaatgggatt aggaagctaa     420

gagggcttct ggtaatcgat taccaagggg tgtaatcgat taccangctt anaaatgaan     480

gcagcatgtg gtggaggcct ctggtaatcg attaccaggc tgtgtaatcg attacacagg     540

ggaacatgcc actggtaatc gttaccaggt atgtgtaatc gatan                     585


<210>      992
<211>      320
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      992

atcctctgag tcacctgcng ctgcagctta catggagcta cgtcattgac ggtttctcat      60

attccttgct acgttaataa gcatacctct gtatgtctcc atcttgatgt agccttncat     120

tgattcctca aacttgcaga ctcccccata tttagtcctg caacttgctt tcaaactgca     180

acatcaatga tcatctctac atcattaaca gtagagtata aattgccttc catatcaaca     240

cgggcacatg tgtagaaaac ctttaccaac tcaaggtaga agattnttat cttctacacc     300

aatcttaaca aaccatatgc                                                 320
```

<210> 993
<211> 126
<212> DNA
<213> Glycine max

<400> 993

tatatcatcc agttccagtc atggtatata gtataaaaat ttaaacatca acacaacatg   60

caatgaagcc tagcttccaa agacaacaag gttagggttc aacaagtgga aagacccccc   120

cccct   126

<210> 994
<211> 248
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 994

attcccttag caatccccca aattaagaac ttatcataac ttgaaaccct tatactctct   60

tagaaccta aaacaagatc aaggttatca aaattaggct caggggttta ttcaaacaaa   120

tcattattac ttttggctca atagggggtgc aagggataaa ttcatcacag gttggctntt   180

tggctgagtg gctaanataa aaagaaacna tggcttgatc atatccacct tatgcaaata   240

atcaaata   248

<210> 995
<211> 305
<212> DNA
<213> Glycine max

<400> 995

tatagatact cagcctcatt ggagcttgag gcctaggatc ttcttatcaa tggattctct   60

tgcttcttgg aagatgaatg gaagcggaat ggagaaaggg agagagagag gagacgccac   120

ttcaaagaga agatgagtct agaagaagct caccaccata ggaggccatg gataagagct   180

tggaggaaga aggagatgaa tgaagggaga gggagagaag agcacgaaca tttgtgctct   240

acatgagctt tgagatctga agtttaatat tcaaatgatc aaagttgaaa aaaatgcaca   300

cacat   305

<210> 996

```
<211>      362
<212>      DNA
<213>      Glycine max

<400>      996

gcttgttggc cgcgattgac aaagggtgca tatatacgac gttagtctct gcatgctatc    60

atgcgttgac tgttagcgat agcaaaagaa tgtttatact aataaccact tgggtatttc   120

tgccggcccc ctaacttcac gacttagtac cgacagagtt tgtaagcgtg gaagacgacg   180

taaatctccg catgtgaacg agcttgttgg ccgcgattga caaagggtgc agaagacgac   240

atttgttttt tcatggtatc atgcattgag tcttagagat agcaaaagaa tgtttatagg   300

gataaccact tgggtatttc cgccgacccc caacatcacg agtttgtatt ggagaggttt   360

tt                                                                   362


<210>      997
<211>      416
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      997

nttaggacct tatgtttagt tnnttggctt ctaaatcttt tgacttgtaa acaaaaagtt    60

tctttgtaat atttcaatgc ttaagtgaag tgttcagatt atgatgttta caattacttc   120

aacaagtcct tcgataataa attgttcttt cttttttgcat aagcataatc atgcatcatt   180

ctgcattcat agtttccgca tcaagtctca cactgtgttc accacttcaa aaggataatc   240

agccgccgtc cgaagaaagt ggcccgacga attctccgca naccaactcg cattttcaga   300

aatggatcta attgagcaag aaaatcagag tctcaaggag gaggttgcca ctntacgaga   360

aggaatggat aggttgacga ccatgatgaa tgcactcctg tccgcccaga attctc       416


<210>      998
<211>      435
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      998

agcttgaggc acttgccttt taacctagtg tctccaaagt ggccttaccc aagtatcttg    60
```

```
ttttccattg atgtgccatc attttcttct attttctaaa ccctttttgc accattttaa   120

ttattgattg gtcttaattg tcaattaatt aggcagtttt attatttggg cccattcagc   180

caatttgatg tttttaatct aatttcagga attaatgaag aattgggctt gaatctagca   240

ttgggcttga atctagaatt gggcttggac ttgaagaggg caaactaatt tattctataa   300

aattagatct tatcttatct agatattatt tagatttgat ctcatctaga tatcatttca   360

attagatctt atcttatctt atcttatcta gatntgattt gattntactt atgggcttgg   420

atttaaaaca tattt                                                    435


  <210>        999
  <211>        243
  <212>        DNA
  <213>        Glycine max

  <400>        999

tgacactact tatcttaccc tacttctacc accaaaatta agtataacct atagaatttt    60

actcctgaat taattaatta aacgaatgtg tatagaactt tctattttct tttcataagt   120

aaacattcct cgcttagacg cttcgctatc ttcatagcgc tccaatcata ttaatagtta   180

ttccacccca ttctgtgata tacaacctga aaagctctga atatgcttga tacggaatta   240

gtt                                                                 243


  <210>        1000
  <211>        257
  <212>        DNA
  <213>        Glycine max

  <400>        1000

taatttatct caccctcatt tgtcacaaga tagtgacatg gagttgatgg tcaatatttg    60

tcacaacaaa gtatgtttat ctcaacctaa tttgttgcag cactccattt ctatatatta   120

caattattca tgttcggcat tagcatgtac gtccctgcaa ctattgttcc acccatagca   180

aggaataagc taaccataac atgagcccaa caaaggaaga atgctgatat agatgatgca   240

gtataaagaa aactgaa                                                  257


  <210>        1001
  <211>        522
  <212>        DNA
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<213>   Glycine max

<223>   unsure at all n locations
<400>   1001

ntanatatnt cagatgaagt cattcaatta ttgttacttc atatgtagca gctgggagga   60

gatttatatg tttgtcaaat gttgttgaca atgtagaaac attgttaggc atgacaaccg   120

gatcgggttc tgcttatcct atctcagtcc ccgattcctc atttccttct ctacccctgt   180

ccccgaaatt caatgggagt gcatatttat gtccatccca gtctccagtg gggttgagtt   240

tttcccgtcc cgtcctgccc ccgacatatt tataaaattn tattaaaaaa tctaattntt   300

cataaaatga agaatataga tttaaataaa aatcacaata ttgtacatga caacatanaa   360

tccaattcaa cattagcata naattcaata taataatttc atggtttaat gtgttatata   420

tatatatata tatataatga tatntttgta caataattat tagcgtggag gaattggagg   480

cgggtattaa taatctcatc cctgaccccg aacctgattt tg   522

<210>   1002
<211>   267
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   1002

ctcgctgcan aattcatttc ttggttgttg ctcttggttt gtgctaaagg tggtgttcgt   60

cattggaagt gcggtacaca gactttgtgg ctgacttaag gattgccttt gtggataact   120

gggcggtggg taaggagaac gtttgttatt ggctgaatca tgacatcgtt cggttggtgg   180

gaaacttggc tgtctatgaa tggcagacac agcatgggct tcatcttcat cctcaccctc   240

ttcatttgcc ccagttttct cattcgt   267

<210>   1003
<211>   360
<212>   DNA
<213>   Glycine max

<400>   1003

tattccgagg acagttcatt atcatgcaca gcctgcaaga gttggctcac aatacgccaa   60

tcatatctat ggagcatttt ctagagccag tagcctcgcc tgaagctcaa cttccattgg   120

412

tgaaaccaaa cgaggttgct ccgcctgagc tcacacctga gtaggtcaat tcagagccag   180

ctaacccaca atctccagtg gcgaatccac cttcttcgct tgagcttgaa gcaagtcccc   240

catctcctcc tctgaatgtc atttctgacg catcattaga tgaagcattt gctccttctg   300

atttaccagc tgcagataca gctgaccacc ttgtttcccc aatcggagga catgctgatc   360

<210>   1004
<211>   237
<212>   DNA
<213>   Glycine max

<400>   1004

agcttgcttg agaagcttct atgtaagctg gatctttgag cttcaataaa ttccttcaat   60

tgtgattttc agccatggag ttgcagtgga agataaagga aaagagatga gaggagacgc   120

catccactag agaataagac atggaaagag aagcttcacc accaagagag tgtcttggat   180

aagaagctta gagaggaagc ttcaatagag gaagagaatg agagagaggg aggggggg   237

<210>   1005
<211>   243
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   1005

cttganatcg aanactaact ggttgaagat ngacgaacaa tgaatatcga tataagaatg   60

gtgaagaaca ctagtataat tcatcacgaa aacgtcacga aagcatctcg gcttggatta   120

ttttcttctt tcttcttctc ctcactaatt gtaagtgaat tttgagtgcc aaaggtgttg   180

aacccttttt cctcagcccc ccatgccatt ttattgaaaa aattgagggg gggggggggt   240

ctc   243

<210>   1006
<211>   315
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   1006

gcttcctcca caagcaacag ccttctggag gaatcttctg gaaggcccaa gtgggcctgg   60

413

ttgctatttg cacccccatt tttactaaat acacccccctt ctattttttt ggtgattctt   120

tttccgtaat gttacgaaac tttacgaatt tcgtaacgat acttattttt tcttccgcaa   180

ggttacgaac ccttacgaat tatgtattta ctctntttta gctttcgaag aagttacgga   240

aacttaccga ttgcgccaaa acacctcttt tcgacttccg tcacattatg gaatttcacg   300

gatcgcgcaa gcctg   315

<210>   1007
<211>   446
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   1007

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aaaaattgag ctccaccaaa aacaatagtt tgaaaatcaa cttcactaat gttggagaag   120

tcagagaaag ttgctagaca aaaaatatct ttgtcatata gctggaatga tcatccgtga   180

gagaaaattc atggcaagca tagcaaggtt cattcttctt gaaaccacaa ttggaagctt   240

caaactaata atcttggaga ccatattatt taagcttcaa attaatgcat cttgaactta   300

gtcacgacta gtacactaga gacacgataa agtcaccaga naacacgcaa aagtacttaa   360

taaanactta taagttaatg gttagattaa taacatttag tttaacatgg ttttaggttg   420

tcaaattggt ccgtcaaaaa agtttc   446

<210>   1008
<211>   497
<212>   DNA
<213>   Glycine max

<400>   1008

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catgaaggat ggcttgcggt tatattgcat gaaaaagccc ttcgattata tggatatatg   120

tgaatgggta gcataaaatg gcttgcgaaa tggtgaataa aatggcttgg caaatatgaa   180

tatatattgc ctggaaatgg cttggattat atgaatatat attgtatgaa gtggcttacc   240

aaggggtgga tggatagccg aaaagtggtt ttcaaaatat gtggatttgt gaagagggag   300

caaaagaagc cttccaaaaa aatgtgtgat atatatagga tgtaacgtga aagggttgca   360

414

aaaaatatga catggatgtg tgtcgaaagt gctttcacaa attttatgtg tgcaatgata   420

tgtgtataaa atacatggcc caaatgtgat ttataagtgc tgtgacactc gccccatgag   480

tgtgtttgct cttgttg   497

<210>   1009
<211>   441
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   1009

tattaagaag cttcctccag aagcttcctc atggcttctn tgagaagctn tctcaacaag   60

cttctttgag aagctagatc cttatctatc cacacccctc tattaactaa attaacttcc   120

ttaaaaataa ttacggatga aaataatgca acaaataatc aaacatcaaa cataattact   180

aataatatat atatcagggt gttacacatg gtatacttga daccgtatag taagcataaa   240

attgagtata ccaagaacaa tgccttttta ttgactacaa ccaaagctat aagggtcgcc   300

aatgataggc actaagttgt aagatcaata tttctataca tgttgaattt caagagttgt   360

agttcctttc taaactanga acaaaanana aaggataaaa aacatgccac ccctctaaaa   420

tatcacacaa ctntntttaa a   441

<210>   1010
<211>   444
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   1010

agcttctagc caaatattag tctctcaaag agtcgtcttt tcatggagga ttatctgttt   60

ctagagtctc atcaattcga ggtgtccttg gttttatgga gactcatttc tatttaacta   120

tcttggagtg ccaatctttc ctggaaaatc gagcaaaata tatctccaaa gtgtgtttgg   180

atgagaaaat tttaaattct gagaaatttt aaattctaag aatttcaaat acttcaattg   240

aaattctttt attttttaaa ttgtgtttgg ataaaaaaaa ataaaaattg tgagggtgaa   300

agaaaatgaa tgcaaaggga agagaagata tgattggtgt gtttttaaag agaagaatat   360

tgacacggca tggagagtca cacganaact gggacacgac gacatacacc accatacccg   420

accacaacat tcagtcaatg acac

<210>   1011
<211>   470
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   1011

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cgaatcggat tgttggtctg tctcccacgg tgctcctaag ctgtttt att tcgggccttt   120

acccagacct ccgtcgtgaa gtccgggctc tgcaacctat gtccatatca caagtcgtgg   180

cgcttgccaa gttgtaggaa gaaaagattc aggaccgcca tcgccatttc cgcacatcct   240

atacccCttc tggtccgcca ctgtcaccgc caccacccac cgcggttcct tccatcgttc   300

tcaccccggt acgcccttca gttaagcgcc tttcagcaga agaacttggt gtctgtcgtg   360

acaaggggtt atgttatcat tgtgacgaga agtggattct cgacaccgtt gccgtcctcg   420

cctccactta cttattgcan acgatgatga tgatgactgc acaaatccat   470

<210>   1012
<211>   417
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   1012

ttggcttatt ccctagtgga tggtgcctcc cctctcctct tctcctttgc cttgcgctgc   60

atctccatgg tgtaaaatca ccattgaagg acctcattga agctcaaaga tccagcctcc   120

atagaagctc cacaaccaag cttccatcag gacgaagttt ggattgattc aatctaacta   180

gggattgagg tttagtaatt taagctatag catagaacac aaaagcatga tngattagag   240

aaacatcttt atatacatca gttggttggt tagaaagact caacatcttt acctactggc   300

tgcaatctta cttactttgc attttactgg ttttagccta gatntagtnt aattctattc   360

taaatcatcc attatcaatg gttctctcac aatgacttat tctgaattaa ccctatc   417

<210>   1013
<211>   391

<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   1013

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catgtgtaac acttgttgta actntgatga atgagagtct tgtgagacac aactcanagt   120

tcaacttctc tccctttgtc ttccttcaat ttcgtgctcc cccctctcta tttctctccc   180

tctttctttt cctccattga agcatcctct ccaagcttct tatccaaggc tcatcttggt   240

ggtgaagctc cttcttccat ggcttattcc ctagtggatg gcgccgtctc ttacctcttc   300

tcctttgtct tccgcttcat ctccatgggg gaaaatcacc attaaaggac ctcattgaag   360

ctcatagatc cagcctccat agaagctcca c   391

<210>   1014
<211>   332
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   1014

ngaccaatcn cgacccaacc caggcatagt cggtcagtga gaactctgtg atgtacctaa   60

acaggcgagc tcctggcagt caacagatca aaggaacaaa gaccacaaag caaggaggct   120

tgtggtggct ggccagctgt gaaacttgat tgatatgtga gatatggtct ctggtaatcg   180

attaccaagg gtgggttatc gattacaagg tttaataatg aaggaggcta acatggtctc   240

tggtaatcga ttaccacggg gtgtaatcga ttaccaggct cgaaaacgag gtcatgaagc   300

catgagggct tctggtaatc gattaccagg ct   332

<210>   1015
<211>   348
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   1015

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ggagttgcag cggaagataa aggagaaaag gtgagaggag gcgccatcca ctagagaata   120

agccatggaa ggagaagctt caccaccaag agagtgcctt agataagaag cttagagagg 180

aagcttcaat ggaggaagag aatgagagag ggagagagag agaatggtgt ggaaattgaa 240

ggagaatagg gagataagtt gaactttaaa gtgtgtctca caagtttctc attcatcaaa 300

agtatgacaa gtgttacaca tgtttctatt tatggcctag cacatggg 348

<210>   1016
<211>   375
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   1016

cgaagaagtt ntttctttta catgcccaac tctctcgagt gacattngca ttgattggtg   60

tattttatgt tgcatcttag tctctatcat atcctatgtg catcatgcat catcatgtgt 120

gagtaaggag aaaatttcta atgttataaa atttcttcag aaggcaaaac tttttggttt 180

aatccattac aaccttacag taatcaatta cacaaagttg tttaagcttg catagctatg 240

tcttgtatcg atttaattaa ttacagcctt atcctaatcg attacaccaa ttgtttttaag 300

acaatggttt atttatntaa tagtctatgc tttaatcaat taccatgtga tataaatcaa 360

tacttctctt tctat 375

<210>   1017
<211>   400
<212>   DNA
<213>   Glycine max

<400>   1017

agctataacc tcatcgtccc tcacagtctt tattattggg agccaatcca atccttgtgt   60

tcggactctc agccacttat gatagccgcc gatgatccca ttactgcttc ccctaagctc 120

tctgtccttt cttcacgccg catcccatgc cttgcgaact ccttggagta ccctcgcgtt 180

gtggtcacta aaaccccgtg cgatgaaagg cgtgatgctt tcgtctaatg gcgctcctct 240

catggggtag ccaagctgtc ttatggtgag aacgggatta taattaatac aaccccttgt 300

tcccatcaag ggaacatttg gacatccttc gcatgaagat agaatcctga ttcttccttc 360

cttctagcga gggaaccaat taacagacgc ccccccatgc 400

418

<210>   1018
<211>   267
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   1018

tattacaagc cttaagtgga aaaccatgat ttcacnctac ccttaaggaa ttntggagct   60

cttgaaaatg tttgggaata agtgggagag ggggtatgtt tcattgggtg atattgtttt   120

cgtggccatg cttgatgatg attttggcca tgcttgatgt atatacatat aatgcctata   180

tggtgcttta tattttaaat gctttgcaat gctactggtc acgttcaata aaaaattaaa   240

tagaagaaga atgatgttga ataaatg   267

<210>   1019
<211>   389
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   1019

gcttgcgagt ctcctttggc atttccttga catatgttct ccttatgtct aaggtctcaa   60

ggttatgaag tttgccaata aatttcagaa gctgcgttgg catcactgaa tatcgtaagt   120

ttaaatactt gaagtgtgct agatttcccc aattttcagg aacagaactc aatggactat   180

cttgaaaatc aagtaccttc aatagcctgt actttgtagg gatttttgc acaaagttgt   240

tcattaatgc tgattcttta tctgcaaaaa caaacagtga tcgggtgtgt gaattntccg   300

tactccccat taaaaatcat tggagaacgg tgctattgat aagcgttgaa tcatcccact   360

tggcattggc tcatcttctt tactaatat   389

<210>   1020
<211>   291
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   1020

cacagacaca cttagtggtt gacattaact attagtagtg gaggataata caaccagttt   60

aatgcgtggt tggtttgacg ttggagaatt gattntgagt ctaaaattaa tattagatat   120

419

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atttgtaaat atctggtttt atgttggaaa agaattcgaa attaattcta ggtccataat    180

tgattttgga ttgaaacaat attgagtagt atctgcccta gattcaaaaa tttgtattga    240

attttatttc taacttgatt ttataattaa acattcagac ataaatcata t             291
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<210>        1021
<211>        383
<212>        DNA
<213>        Glycine max

<223>        unsure at all n locations
<400>        1021
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agctaggttn tgggcaatag caccccacct gacgtcccca aggtctcctg accccgcga     60

catatctcca ggtaccactc tgtggtcaac gaataaaagc aggaagttca cccttctaca    120

cttcctcatc tcaagcttgt aggattatgg ggtacccatc acatgtggta ctaggtggcg    180

gtcgggcaat ggtgcacaac aagttttcca catccacaat gcgcgcataa acccaccatc    240

ccctgttgcc cacctccaac tgagctcacg tactcccacg tagcccatat cctcgtttct    300

ctcaacaccg ggtccccatc aatcctccca agcttccaca acatccaagc aaaacaacat    360

tcanatagca caagctatca cag                                            383
```

```
<210>        1022
<211>        396
<212>        DNA
<213>        Glycine max

<223>        unsure at all n locations
<400>        1022
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ntatcanatg gatgtaaaga gttcattctt atatggctnt attcaagagg aagtatatgt     60

agatcaacct cctagatttg agaattcaga caagcctaat catgttttta aattaaaaaa    120

aaggctttat atggcttaaa gcaagcccct agagcttggt atgagcgtct gagtaagttc    180

cttttagaaa aggatttctc tagaggcaag gtagatacta ccctttttcat aaatagaaaa    240

tcacatgaca ttntactggt tcaaatttat gttgatgata ttcattttag atctactaat    300

gaattattat gcaaggaatt ctctcatgac atgcaaagtg agtttgaatt gtcaatgatg    360

ggagaactct aattgtttct tggatacaaa ttaaac                              396
```

```
<210>        1023
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420

<211>   325
<212>   DNA
<213>   Glycine max

<400>   1023

agtgtttctt ttgcaagaag aagggacaca tgaaaaagaa ttgccccggg ttccacaaat   60

ggcttgagaa gaaaggtgaa tcaatctcat tagtatgtta tgaatctaat atgggtagtg   120

gtaatattaa cacctggtgg attgattctg gatctactat tcatattgca aattctttac   180

agggtatgca aaacctaagg aaaccagtgg gaagtgagca aagcatttta tcaggcaata   240

agctaggctc acatgtggag gccattggaa cttgcatttt gactttaagt agtggcttta   300

ttttaaaatt agaaaggact tttta   325

<210>   1024
<211>   381
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   1024

taggagttnt ccaaccatca agttgacctt gcttgaagac ctccatcctt catgttatac   60

ttgagagttt tccaaaaata tcagacaaga tggaatatgt aagggaactt catttgcagt   120

acactgccat aagtatatct gtctatttgt ggagttgttc agttaccaag tagcactgtc   180

atgttaccag aactgactga tattatagct nttggatgga aagggtagca atggctaaat   240

cacgaagatg gtgaagaaaa agcgggttca atagtatctt caaaggtaga acggctntgt   300

gcctaatgat gcaaccattt attaattttt canaacggtt catgcacgtt gttcatgtga   360

aagatttaga ctgattgata t   381

<210>   1025
<211>   289
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   1025

gcttatcttt ggttntacaa ccaaagtcca tgtgaacctt gagtaatcat ctactataac   60

taagccatag taatttccac ctaaactcag ttctagaggg accaaataaa tcaatgtgaa   120

```
aaagttcaag gggtttrgaa gtagaaacaa cattttract ttgaaaggag tttttaactt   180

gctttccttt nttacaagct tcacacaatt tattttctc aaacttaagt tntggaagac    240

caattactaa gtctttccta actagatgat taagatgatg catatttat               289
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<210>   1026
<211>   410
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   1026

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ctcaagctta tgattggatn gataaatgtg aacgtgagag acctctgagt gatgcagaga    60

gtagctgacg aagagatatc gataggtgag gggagtttat ttttggttta tagctcttga   120

taccatactt gggngttagta aacccaacta tggggatgta tgattctccc tatgcatgct   180

agttttcaag aaaactgtgt ttntgactaa tgggatgcga tatatttctt attgatgaat    240

gaaattgtga atgatattgt tgtttatga aacttgtgtt gtctgaagac ctgtgaaatg     300

tgaatcctan gcatgaaatt atatgtatat atgtggaatg cgattactga tgatgttaat    360

attgatgata atattgatat gaaatgatgt tgatattgag atgagatgat               410
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<210>   1027
<211>   360
<212>   DNA
<213>   Glycine max

<400>   1027

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aacaaaactt gtgctattca tcttttcat tctcttctcc ctttgccaaa aagaatttgc      60

caaggactaa ccacctgaat tctttttgtg tctctcttct ccctttttcca aaagaacaaa    120

ggactaaccg cctgaattct tttgtgtctc ccttctccct tgtcaaagaa ttcaaaacga    180

cacagtctga gaattctttt gattcttccc tttcccataa acaaaagatt tcaaaggact    240

aaccgcatga gatatctttt gtttcccctt cacaaagttt caaaggacta accgcctgag    300

aactttgtct taacacattg gagggtacat cccttgtgga caagtagagg acatctactt    360
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<210>   1028
<211>   409
<212>   DNA
<213>   Glycine max
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tctatggagg ctggatcttt gagcttcaat gatgttnttc aatggtgatt ntccaccata    60

gagttgcagc ggaagataaa ggagaagagg tgagaggaga cgccatccac tatggaataa   120

gccatggaag gagaagcttc accaccaaga caatgtctta gataagaagc ttagatagga   180

agtttcaatg gaggaagaga atgagagaga gaaagtggca tggaaaattg aaggaagaaa   240

gggagagaag tttaactntg aagtgtgtct .cacaagactc tcattcatca aagttgtgac   300

aagtgttaca catgtttcta tntatagcct angtcactaa catttcacgt gaatctaaga   360

ggaatattcc aagaatatcc canatgcatc ttaacatatt ccaagaata              409
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<210>   1029
<211>   521
<212>   DNA
<213>   Glycine max

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ctttcgttcc gtctatngcg ngcccgcgat ccttagagnc gcctgctgca tgcaagcttg    60

angaganaag gngaatattc tttttcttct tggatgaccc aangtggcaa cgtgcttcat   120

ttagttaaat atcgtacaca ggctcattca ttgtggacgg taacccagcg gggaattcta   180

agacaatgat gactcacacc ttcaattcgt tggaagctct tctaacctaa atttgacata   240

ctacactgga agagcactta ttcatttgca ccgangggtg gcatatgctg ccatgatgaa   300

tcgaacatct agggaaccat gcccaactca cagaatttaa tatgcggcac actactaagc   360

ccaacgtgaa ttgcacagga aatcatggtt gcgcgcttta gaattgactt catcacaagg   420

gtagatacga taagacatgt actgtgtttg atacacctca agctccaatt gatcggcgag   480

tcatctagga gatgatcgtg aatgcagaca caacctcacc t                      521
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<210>   1030
<211>   87
<212>   DNA
<213>   Glycine max

<400>   1030

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accttcaggc gactttctct aagcgccgca ccggaatctt caagaacgca agtgagcttg    60
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ccaccctctg cgacgtggac cttgctg

<210>   1031
<211>   460
<212>   DNA
<213>   Glycine max

<400>   1031

aagcacctga gctgcagcta tgctgctata ttacaataga ccttctttac ctcagcagca   60

aaatcaacca caacagcaca attatgacct cttcagcaac agatacaacc ctggatggag   120

gaatcaccct aatctcagat ggtctagccc tcagcaacaa caacagtagc ctgctccttc   180

cttccaaaat gttgctagcc caagcaaacc atacattcct ccaccaatcc aacaacagca   240

acagccccag aaacagccaa cagttgagac ccctccacaa ccttccctca gaagaacttg   300

tgaggcaaat gactatgcag aacatgcagt gtcaacaaga gaccagagcc ttcattcaga   360

gcttaaccaa tcagatggga caattggcta cacaattgaa tcaacaacag tgccaaaatt   420

ctgacaagct gccttcttaa gctgtccaaa atcccaaaaa   460

<210>   1032
<211>   419
<212>   DNA
<213>   Glycine max

<400>   1032

acaggcctat atgacatctc ggactatgat taactccctc taacctccaa gtaccagcaa   60

atccagaggt aactctacaa actctcaaag catcactctt tatcactcat agcactacat   120

tctcactatc taaccctagg ttaactctac cctacatctc tagcagattt ccataagcaa   180

ttgcaaaaca cagacatcac atgcatcatc atagacactt ctaaaccaga acgggaaagc   240

gtgactcaca cctgacatga cgaagttaac atgtttcagt gagattctga cagataccat   300

ccagaacata aacctagttg actacccatg atatttccaa aacaatccca cagaatatgt   360

gagaagatgc taccaacctg aaattgaagt cccactatag ggcgcttacg actccgaaa   419

<210>   1033
<211>   448
<212>   DNA
<213>   Glycine max

<400>   1033

agctcgaact tgaaataggg tcaggattga tcttatcgtt cctcatggct cttgaagaaa   60

taaagagaat gaaaagtaca aataaatatt attttatttg taaggattaa aaatacattt   120

aaacctaaaa attaacacgg attatgacta ttttttataa aattatattg ttgttttttt   180

tttaatttta gataacttat gattgcaata ttggttaatg aatataaact tcaccaaaag   240

ttaatagttg attttatata attaaaacca aaagttaata ttttataata tatatatata   300

tatatatata tatatatata tatttcattt cagtaagaaa aaatcatatt atatataaaa   360

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tagggtcatc acaggtaccc gaagataa   448

<210>   1034
<211>   356
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   1034

cgccagttnt tacgtatact ttggaagtat atatattaac atcacgcact tatatgcgag   60

taagagcagc tcttctacgt ggtcattgaa ggaagattta agtgttggta tttttgtta   120

acttacataa tgttgctctg atgatattcc gtgaagaatg ttaacgactt ctcgttttag   180

ccatcctatt ggtctttca ttcgccgtac atatatatga attatactta ttgcatgaga   240

atattcttta cttacttgag actattctaa tttgtgtgcc tttaccagaa tatcttcacg   300

ctacactgga atgacaatgg tggatgcctc tctatgagaa ataatgacca catgtg   356

<210>   1035
<211>   449
<212>   DNA
<213>   Glycine max

<400>   1035

agcttgtcat ggtatatata tgtttcctaa tagtctactc tgtgttatat aatacttagt   60

taaatatatt gtgtatacta aaagcaaatg cttaacatta tacgtctttc gtactcaagg   120

atataccaac attgaagggc ggactgtctt gatgtagcga ttttaacagc gatgacacta   180

425

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tctttgttct atatattaac tgtcatggag atggagctgt ctttgtaaac aatctttgtc    240

attatcagct gaaagatgaa catgttgttc gataggaaaa taatgaaata ccttatataa    300

atgtattgta aagttttaag aataaactgc tcaaattgcc agcagtttgt cgtagaatag    360

tagtgcaaat tcatgatgta aatgtattag aatacagaat aaacctatgg tgccgttatt    420

aattgttatg agaacatctt gggtcttgc                                      449
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<210>   1036
<211>   82
<212>   DNA
<213>   Glycine max

<400>   1036

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tagcacatgt tgttgtccaa tgaactcttc ttgacagagc atgtgttgaa caggaactct    60

tagaatgatg tgtagaatga at                                              82
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<210>   1037
<211>   264
<212>   DNA
<213>   Glycine max

<400>   1037

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gagcaacgca cagctcacat tctctgtttc aactcctaaa caatttttaa ttggtggctt    60

ctggatttat gtcaatacat caaaatctta tgttatactt gtgtcatcat gtaatgcttc    120

ctctactact gattcgataa aacagataaa aaaacactaa aaaatgaaac ctaatatcat    180

caacgacata aagcataaat tctagtatta gtatcaccaa aagttttggc tgctggtttt    240

gtgcccattc ctcacatttg atct                                           264
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<210>   1038
<211>   429
<212>   DNA
<213>   Glycine max

<400>   1038

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agcttctact tatgtggcag ggcgggcttc cttttccttc ttgtctccaa cgcgaacttt    60

gaccattgtt cttccttccc gcgatgcttc ttttcatgtc tgcctgagtg ggcttatagc    120

ctaaaccata cttcccacga ttaccttggg tatttatcag tctagttatg ccgccgttgt    180
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426

tttttcctaa acccataccg ggctcataac cgttccccaa cataactcgg gccatcatta   240

ccgctgcatc ggacagacta tgctgcccaa agagggagtc cacggaggaa atgctgacca   300

cctcaaaaga ctggaaagta gtttctaacg attcttctgc ggcttccaca taaggcatgg   360

aggatgggca gcttaccaag atatcttcct cgcctgacac gatgaccaag tgcccctcta   420

ctacgaatt   429

<210>   1039
<211>   437
<212>   DNA
<213>   Glycine max

<400>   1039

agcttcgaag ggatgaaagg gatgtgttga gggtgatgag tatgatatta gaggataagt   60

tgaaggcttg caaaggtcat aatagagttt gaccgagcag ttgagttata cagacgagaa   120

catcttgaca atcattgatg ggtataaaga gagctaagc ctagctgcca gtcataggta   180

gagactagag gatgagcacg cgaaggtagt ggctctgcaa gcggaagggg aagcaagaga   240

gagcgtgata taatcattgc acagggaagc cgtgaaatgg atggatagat tcactctcac   300

tctgaatagg agtcaagaac ttccaaggct tttagccaga gccaaggaaa tggcggatgt   360

gtacccagct ctcgaggaag ttcatgggct tctcgattat tgccaacaca tgttcgaata   420

gatgtgcctc ataatta   437

<210>   1040
<211>   408
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   1040

tcatgatgat gaaccaagca attttgatga tgccaaaagc ccttgtgatt gattcacgac   60

ttcaagatca agcatcaaga atccaatcca agattcaaga ttcaagagaa gaaatcaaga   120

agcaacaagt caagacttca cacatgataa gtattaaaag attttttcaa aaaccaaata   180

gtatagttnt gttttacaaa agaattttct cacattgtct aagttaccaa agtgattact   240

ctctggtaat cgattaccag ttatcagtaa tcgattacca gtgaccaact tggtttccaa   300

aatgtttca aatggtttgc aacgttccaa aatgattttc aacagtgaat cgatacacta   360

427

tatattaatc gttacagtga atctgacgtt gaatcaatct attggaga   408

<210>   1041
<211>   423
<212>   DNA
<213>   Glycine max

<400>   1041

agcttctgaa gcatctacaa gatgtattaa ctgtgttagt tgtcagccat gattagaggt   60

tgcttcaata tactctatta gttttgttt atctggctat tcagtcatta ttgatgctca   120

tttatcgtta tatgtatggg tttgtctttc tcgtgattga tgatttgcga ataccattag   180

aaattctaac ttcgattgtt acgaaagact gatttaatgt gagcttcaaa attgtgctga   240

tatatagatg gataaacaca tgacgttgat acttatatga ctgtggtgct tcaatgtata   300

cacttggttt tatgtaggca acaacttcta gaatgtggag gctatgagct cgtgcacatc   360

atgaactcaa taatcactta tgtgataatg tatggctgga agtcagtaaa cggaatcttg   420

agc   423

<210>   1042
<211>   437
<212>   DNA
<213>   Glycine max

<400>   1042

tctcgccatt gacaatggcg gtacgcgtat ctcgccagta cttctggcga catccatggt   60

aaaacagacc ccctctgtaa atacttataa aagagacccc tttacgtaaa tagtttgtaa   120

aggtgaccct ctacagtaaa tttaccactt taaaataacg tttggacatt ggattttcat   180

ataagttatg gatgcttata taaatagtgt gttggaagca atgcttgata acccattttt   240

atgcatctaa gttaagttac aagaatatac ctattacttc cttggacgca tgtttagctt   300

gcgtagttca ataaactata tcaattcacc aaagtttaat atctcttatt atcattagaa   360

ctatgaaatc tttacgggct tcacattatt catgtttttg gttccggcaa aatgttttga   420

ccaacttgcc atgtaag   437

<210>   1043
<211>   407

428

<212>   DNA
<213>   Glycine max

<400>   1043

taacttgagc atctctgact atgaatcatg caacataata gggaacaaat tcatagtaac   60

cctcgagtac aagaccgaga tgactataga gtagtatccc ctcatatttg atgtccccat   120

tagcaacaga cttagcatat gttttatttt catttgaaaa tgttgtgaca tgtgtcgcac   180

taaatccaac gaataaacac aaaatacatg ttataacaag gattctgtga taaaattatg   240

tgcacctcag gacgtaattc tataacatgt tcttagttga gtacgaggct ttacaccttt   300

tgcttgacaa tggcaaagga gatgcacata tagagtaact agcgagctat ctaaataacc   360

tctcgtgaca ttagaccagc ggaaagaaac atgatgacca aactctg   407

<210>   1044
<211>   325
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   1044

ttcggccgac actggcgtgt tcccatgcac tccggcgaga acacattgac ccacctcgat   60

cagataaaaa gacattaacc accggtcttg atcggaaaaa atgctggttg acgtcggcca   120

tgatagatga ccgatcgagg tctgaaaata aaagaatcac cggatgacgc cgatcgagca   180

tatcctaatt gacatcatcc aaatattatc cagggattgg atagaaaaaa caatagctga   240

taccagtcgt tatgtagtcc cgactgacat ttgtcagccg acattgcaca gtatttnttt   300

caaacgctgg ccgataatat atctt   325

<210>   1045
<211>   344
<212>   DNA
<213>   Glycine max

<400>   1045

gctttacgga cctatcaaac tcagctagga ggattttgga gacccgctgt tgcgatatac   60

gaggatatgg gctacgtgcg agtacgtgag cttaattgga ggtgggcaac acgagatggt   120

gggtttatgc gcgcattgtg gatgtggaaa acttgtcgtg caccatcttc cgaccgccat   180

ctagtaccac atgtgattgg taccgcataa tcctacaatc ttgtgatgat gaattgttga   240

aagaggagac ttcctgcttt attgttgacc acatagtggt acctggagat ctgttgccga   300

ggttaggaga ccatggggac gtcatgtggg gtgctattgc ccaa   344

<210>   1046
<211>   420
<212>   DNA
<213>   Glycine max

<400>   1046

taatgacatt gattatgaca tcacacgact tgctatttttt agtttcattt tttcccaaga   60

aatatcgtgt acctttcgta aaagaattct gttttcgtcc ttttgtaagg aaaaaaaaaa   120

aaagagattc tgattgaatt tgagtaaact attttctaaa ataatattat tatgagtgac   180

aacttttttc ttatcttaac actctgtttt gctgtatatt aagactctga ctcaaaatca   240

tcagacttgt ctataaaata agtatcttct acttccatcc cagtaaaaat cccacatgaa   300

ggacttaaca aagctagatt actttgtgac tcttataaat ataactaaga tgattattac   360

gaacacatgc tatgggttta tcttcgaaaa ggaacacatg aaataactcg attttaattt   420

<210>   1047
<211>   376
<212>   DNA
<213>   Glycine max

<400>   1047

agttggaagc aaaacaaggg agcaagcttt gggaacactt tcttcaagaa ctaaaacaaa   60

gtcctttaac cttttccatt ttcattcctt ttactatcct catgtatttc tggattggat   120

tcttctcctt gcatcagtag ttctacaaaa tagaaggagc agaacacaag gaaattagat   180

tatttaggat agtcacatat ctcctatgtg tttaatttaa gtagcttgaa ccattacgta   240

ctaactctga tcactctata tgtctattgc ttgctatatg attcgctaac acttttgaca   300

aggaactgga tgagatgaag cacataacta ctggaatttg tcgcaagtta ttattacatc   360

attgtagttt atgttt   376

<210>   1048
<211>   448
<212>   DNA

                                    430

<213>   Glycine max

<223>   unsure at all n locations
<400>   1048

agctgtgctt ctacactacc agcaacaata tgttatcaaa gagaanaact ctagatgagg   60

gttcactgtt atcaagcaag tcggagaccc agcatgacca caaattcacc tccactcctt   120

atgttcccat ggacccgggt atagggcccc ttttcaactc accgtgtgta caaatagtgt   180

tggtgtttat gtgcatcaaa tgaataaata tctatctcat gcttacattt caaaagcaca   240

ctaaaagcaa aaagagtta tatacaagaa cgtaaaggaa ataaaaggaa accgacaaaa   300

gaggaagtca tgatattgca cgagattaga aggcctaact ctctaaaaac agtccccagt   360

ggagtcgcca aatgtcgcaa cctacccttc ggcgggaggg cgacgcggng ctcacgggtg   420

tgtcttccaa gggaggaagg ctcacgga   448

<210>   1049
<211>   447
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   1049

tgtaggcctt gaatcttctt catcaatgga gtcctttgct tcttgaagat aaattggaag   60

cggaatggag aaggaggaaa ggtgattaga gatgccactt caaggagaag atgagtcaag   120

aacaagttca ccgccatatg aagatatgga tataagagct taaaggtacg agaagatgag   180

tggagggaga gggagagaaa gggcacgaca tttatgcctc agatgaggta tgaaatgtga   240

agtgtaattt ctcanatgat caaagttaaa aatatgcaca cacaaggcct ctatttatag   300

tttaagtgtc atacaaaatt ggaggaaaat ctgaatttct attcaaattt cacttgaatt   360

tgaatttgtg gagccaaatt tggagccaaa atttcactaa ttaggattgc atcatccctt   420

ccnctctgaa aatgaattga cctcaaa   447

<210>   1050
<211>   448
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   1050

431

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agcttgtgca aatcaaatca ctcctacgtc tcatctctag catgcatttt ctttctttac    60

ccactcctca cgtgtggttt tttagggaaa aaacaccata actaaacgcg ccgcatggga   120

tccctatcgc accagatcca aatctagaac gatgggtgat caagaggaga cacaggaaca   180

gatgaaggcc gacatgtcgg ctctgaaaga acaaatggcc tccatgatgg aggccatgtt   240

aggtatgaag catatcatgg agaagaacgc ggccaccgcc gccgctgtca gttcggctgc   300

cgaagcagac ccgactctct tagcaactac gcaccaacct ccctcaaaca tagtatgacg   360

gngaagggac acactgnggc acgatggcag ccctcacctg tgatacaacc gagcggctta   420

cccttatgga ttgccgccca actattca                                      448


<210>      1051
<211>      399
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      1051

ctgagggaag aagccacaag aacacttata tgaaggtcgg atgtataaga agaacatgta    60

ttgctctccc tcccttgaag aactcgtgca caacaatgga gaataaaggt tctaagtttg   120

tttttttcttg gagaagcgag gacatataag gctttatgct tgcttcaaat gaaacttggt   180

tacgcttaat gttgacaaga tcaaactgat gacatgaata atcatttgat agccataatg   240

ctgccatata tgcatattct gccttttgat tntttaacta gaaatgacta aagtcgactt   300

aagcaaaaat ggtaaaaact ccttctgtaa aactgaaaac cttatctaat ctttagatag   360

tgtgctacat ccttggatat gtgactcata ggaacttgc                          399


<210>      1052
<211>      448
<212>      DNA
<213>      Glycine max

<400>      1052

agcttctccc tataacagct tcaaaattct atattcagca cactactgta atttcaattc    60

actcatgtta ggtggcatcc ctaaattggg aatctatagc ctggccatgc ttaaatgctt   120

ataattttct agatgttcca gcttaaatgt tttgactgtt ctcagcatga gaatttactt   180
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ctcacggtgc tcaaacaagt gtgttgggta cagctataaa gatctgagtc aatgaggttg  240

ttaggcaagc ttgtctctgg gccctctctt taaattcctt gtttcgtcca tttgggctcc  300

cttctacttt atttgttaat gattaatggt gatgggtatt tatatatcca tttggaaaat  360

gactaataga gtctttgggt tagagttcaa ctgaacataa cctacttttt ttaaaacaat  420

aaaatctacc agtgttatta cttctcta                                     448


<210>      1053
<211>      440
<212>      DNA
<213>      Glycine max

<400>      1053

tcatcaagga tcttgttgaa atcatccaat tgttcagtgg ttgttttttа ctctgtcatc   60

ttgaaggtgt acagtttttg cttcaagcat agccaatttg caagggactt tgtcatatac  120

aatgactcca gtttcaacca cattgaggtt gttgtctttt ctcttgcaac ttctcttaaa  180

gctttatctc caaagcatag aatgattgca ctgctggctc tatcaatcat ctctgatttc  240

tcctttgagc ttagagattc agacatcctt tcttctcctt taagagcttc tgcacagcca  300

tgttgaatca agattgcttc catcttgact ctccataacc cgaagtcatt gtccctgaa  360

aacttctcaa tatcgtatta tgatgatccc atctttcttg gtcttgatct tgtccccata  420

gacggcgcca cttgttgatt                                              440


<210>      1054
<211>      447
<212>      DNA
<213>      Glycine max

<400>      1054

agcttctacc ccattttcct ataaataggg ggagaagtga atggtaaaaa tgttcagccc   60

tcctggtaat tcgagaatca cttgaaatta gcgaaaaaaa ttgtttccgt gaagaaaatc  120

caagtcgatg cgcttccgta acgtttccgt gggtgatttc gcaaagattt tcaaccgttc  180

ttcgacgttc ttcgttcatg cttcgccgtt cttcggtctt cagccggtaa gtttccgaaa  240

tcaaactttt caattcattc tatgtacgct tagtggtcct catttgtttt cacgtgcttc  300

tattatcatt tcatttactg tccgtacccc cttttgacgt gctttattca tttgcttaag  360
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tcattttgtc gcctaatcaa atactaacat aaatttccac tgatcgcttg aattgtaata   420

tccgataatt tctgttaaaa tgaaatc   447

<210>   1055
<211>   446
<212>   DNA
<213>   Glycine max

<400>   1055

gctctctaag tgaaatcagg tgcagccatc tccctaagag tcctctcaaa aggtggaggt   60

tgagccatgt tctcagtatg aaaattagta gtcgaatgct caaattcaga atgttcagaa   120

tcaccatcaa cataatactc agaatgctta aaatgctcaa aatgcacaga atgatcagga   180

tgcacactat gcctaagtaa tccatgaaag gttctatcta tttcaggaag ggttctaaat   240

cacctggatt gcccctagtc atgcattata tgcagcaaat catgtgtttc tcaaacaagc   300

accagtggag ggttaaaact acaactatag tcaaatgata tccaaatgag ctgaaatttt   360

atgagtaaca ccctaaaatc atgaaaagat agaacaaaaa tttgcagact aaaattcact   420

aactatgaaa actgactaaa gaaagt   446

<210>   1056
<211>   204
<212>   DNA
<213>   Glycine max

<400>   1056

tgctggtgga gcttcgatgt atgctgaatc tttgagcttc aatgaggtcc ttcaatggtg   60

agtgttcacc atggacacgc cacggaaagt cataagataa gaggataggg gaggcacctt   120

tcactatgga ataatccaag gaagaaggag cttcaccacc aataattgcc ttggataaaa   180

aacttgcaca agattctttc ctgg   204

<210>   1057
<211>   369
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   1057

agcttctagt cgtgcataga ccttctctng ggtctgacta tcaaacgttg catctgtgca   60

ttcatcgcat tcactaacag acgttgagcg ccgtccaact gatggtactc gtgaccacca 120

ccacctgcta cagccataat ttaacaggaa aaaaaaatgt gcaataaaaa ctattaaggt 180

ttcaagacct cacaacactc tactcacgtc tgttagatgt gagtacactc gtgtttaacg 240

ctctcaatat gctatcgtga aatgtattcc ctcttgcctt ttaccactcg agtggactct 300

taagttcctg gatggaccaa attacacaca catggtaata tttaatcaga ggagagacta 360

tatgatgat 369

<210> 1058
<211> 441
<212> DNA
<213> Glycine max

<400> 1058

agcttgcctc aaagaggtcc aggattgata atgttgccga aggaactagt tccgctcccg 60

agtatgacag tcaccgcttt aggagcgctg tacatcagca gcgcttctaa gccatcaagg 120

gatggtcatt tctccgggag cgacgcgtcc agctcaggga cgacgagtat actgatttcc 180

aggaggaaat aggtcgccgg cggtgggcat cactagttac ccccatggcc aaatttgatc 240

cagacatagt cctcaaattt tatgtcaatg cttggccaac agaggagggc gtgcgtgaca 300

tgaggtcctg tgtgaggggt gagttgatcc tgtttaatgc agatgctatc ggccagctcc 360

tgggatatcc gttagtgttg aagagggcc aggagtgtga gtatggccag aggaggaatc 420

ggtctgatgg gttcgatgag g 441

<210> 1059
<211> 407
<212> DNA
<213> Glycine max

<400> 1059

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caatgcgcag tgggacaagt agagtcgcta aaatcattgg tcagactcct acctatgtgt 120

gcctcgggcg tcttgatgat ggcgtcccaa ggctcattct ctaccctgca agcaactacc 180

ttggaccgaa agctatttgg caatttcaag atgcctgcag ggtccttcaa tcttatcatg 240

atattgacct tatcaataga cattcccttg tatgaccgca taatggtacc tctactagcc 300

aaatacaggg gcttgccgaa tggattctgt agtaaaactc caattgggat tggattgctg   360

tttgtatgcg cagctaaagg aacatcagct gtagttgaaa ctattag   407

<210>   1060
<211>   430
<212>   DNA
<213>   Glycine max

<400>   1060

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cctatctgcg gaaaaacaca aaatgcttag cgtactaatc accgtagctt gttaacatga   120

acgtattaat aaatctagta ctgcgctcac tcacctatga ttccggccct gagaagaaaa   180

tgaatctgga aaatgagaag gcaacaacaa cagcgcgtga cgtaaactct tatgataagg   240

ggagagaaat gagattagac gcttacgcta tatagaacga tgcattgccg ttctttagag   300

atgacgtgac acactaggtg acctcttttg caaaactaaa tttggggccc ttgtactagg   360

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atattgttct   430

<210>   1061
<211>   380
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   1061

atcaattcat attggatgca ctccaacttg taatgatgcc ctattccttt cctcagagac   60

tgatgccatg acaccgtcac cctttctttc agaattcagt gaaaacccct ctctcttgtg   120

acaactttcg cgccttataa cgacattcaa atgttctaaa aattaattgg agagtgaaga   180

acaaacctca ctacgtgata attgttcccc catccgggcc ttgtgcaaac attcatgtga   240

taagattttg aaagtgggaa tagtagatcg aggccaccta aatggaaatt gaaaaaaggg   300

tgtcaggtac aattatcaca cactntttta caatgatata ttgcttagaa ttcaaaacat   360

tcctaatgta cacaacaccg   380

<210>   1062

<211>   439
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   1062

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aagataaaaa aaaatattgg aatgaaatgg ctatgacaat gatgaagatt aacaaataac   120

cacacgaaat attcaacaca attcatatta aggatcaggt tatgaatttc aagactattc   180

tcaaataaac atgacatgat ataacacatc agtattgctt atattagttt actttaaatg   240

tagccttatg gtgaagtaag taggtccttt gctgtaagat ggaaggatta actagaagac   300

acatggcatc tgttagatag taatgacagc atgcactatg ttatatgcaa caaagatctg   360

gtgaacccaa ctatactggc tggatggaca aaactcggag atttctatgg actcacagga   420

tatcatcaag tgaccatga   439

<210>   1063
<211>   410
<212>   DNA
<213>   Glycine max

<400>   1063

ctatatttc agtagatgaa tatgaatccg cggccacctc atgtactcct ctaaggacaa   60

tagcatcatt tgttgcactg aattgttagg agttggaagc catcttctca atcaaactcc   120

tagcctcagc acgggtcata tcaccaagag ctcccccact agcagcatta atcatactcc   180

tctccatgtt gctaagtccc tcatagaaat attgaggaag gagttgctca gaaatctggc   240

ggtgagggca gcttgcacac aatttcttga atctttacca gtactcatac gagctctctc   300

cactaagatg cctaatgcct gaaatgtctt ttctgatggc agtggtccta catgcaagga   360

ataatttctg caagaacact cttaacgtcg tccaagctga aaatggacct   410

<210>   1064
<211>   432
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   1064

437

agctatgcgg atttggtctt cgccagtgaa atgttcgaag tggatctgan aagaggcaaa   60

tttaatcatc ctgcttagac gaatgagaaa actgcggcaa ataaagaggg tgaggatgag   120

ggagaaaccc atgctgtgac tgccattcct atacggccaa gtttcccacc aaacccaaca   180

atgtcattac tcagtcaata acaaaccacc tccttaccca ccacccagtt atccacaaag   240

gccatcccta aatcaaccac aaagcctgtc taccgcactt ccaatgacga agaccacctt   300

tagcacaaac cataaaaaac accaaccaag aaatgaattt gcagcgaaa agcctgtatg   360

attcaccccca tattccggtg tcatatgcta acttgctccc atatctactt gataacgcaa   420

tggtagccat aa   432

<210>   1065
<211>   422
<212>   DNA
<213>   Glycine max

<400>   1065

tctatataat ctgaaccatt ctatcaataa acacacgtcg agttgtattc agaatattag   60

agtttatctc ttattatctt agtgagagtg attctcctaa attcttgagt gattcaagaa   120

caccttggct gtatcaaagg actttcacaa cctttgtgtg ttgccctcgc tggaaagagt   180

gattctttct ttactttcat catcaccctt gttctttcaa atcacaattc cagaagatcc   240

acctctgccc agagatatct cgtggccata acttccattt tacgcactca aattaagaga   300

ttcttgagcc tatattgaat ttcaaaacga gacccttcac ctcgttatgg aatcacctca   360

tttggagccc tgtagcttca gtattgccat ttctatattt ctgtccagcc accacttaac   420

ct   422

<210>   1066
<211>   435
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   1066

agcttcataa atagactgaa tcaaggagaa aattatcgtc gacccccana acataagtta   60

tttaacacca cttgtcacgt tgttgactag ttaatagagt ttattatgtt tgcatgaaag   120

aacatgtttc taaatgtatt aaaaagcttg ccctggaaaa atcaagttat gagtatggac   180

tagagatgag atgcaaactg caatcaacat agggtacaat aacaaggctt gttctagatt   240

ttttttttttt ggaagttgaa taaagtttaa tctagttgtc tttttacagg tatgctttag   300

gtttacttag ataagacatg aaacagaaag tgaccactct tgattaacta gatattgagg   360

cccttgtaaa aggtactaga ccttacaaag tttttcgcat ttaattttct ctaaatacta   420

tagatatttg ataca   435

<210>   1067
<211>   428
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   1067

ntgatctagt gtaaaattaa ctttccctan aagataaaac attcacaggt ccagatgatt   60

accgaatttg taagaacaac aactaagtca tcttgaaagt actcaaacag ataatagtgc   120

actatagctt ccctcagaga cagaggccat gaaaccttca ccctttcttc caaaattcag   180

tgaaaaatca gcattcaaaa gtgaaaactt ttggcatggt aaaggacatt aaaatgttaa   240

aaaaattaat tggtgaagga agaacaaacc tcactagtga taattgttcc ccaatccggg   300

ccttttgcaa acattcagct gataagattt tgaaagtggg aatagtagat tgaggccacc   360

taaatggaaa ttgaaaaaag ggtgtcaggt acaattatca gacactnttt tacaatgata   420

tattgctt   428

<210>   1068
<211>   442
<212>   DNA
<213>   Glycine max

<400>   1068

agcatttaca atgattaaga tatactcttt caagtttttt ggccataaat tagtctggga   60

tctcaatcaa gtctcgagac tcttgaaggt caatggtctt taaactcacg aggttctgta   120

aaaaaaataa aaatacatca cattgaccat aaatcattaa aataaaattc ttagtataca   180

ttgaagctca tcatcctagg tgtggctctt gtgattgtga atgagtttca ttcgagtaag   240

caaaagacta gttaccactt tgtcttacga ttctctaccc tacctttgca aatagaaaga   300

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aaaatgtagt atgtatattc acaatcatac ctgaacccca tcccagagct ttttgagctt      360

gctacgaggc atggaaatct ctacaagtcg ttcagcgcag aagttatacg gcaaagactc      420

aagacaacat tcatgccaat ga                                               442


<210>      1069
<211>      450
<212>      DNA
<213>      Glycine max

<400>      1069

gagctttatg gaggctggat ctttgagctt caatgaggtc cttcaatggt gattttccac       60

catggagatg cagtagaagg caaaggagaa gaggagagga gaggcaccat ccactatgga      120

ataagccatg gaagaaggag catcaccacc aagaatgtgc catggataag aagcttgaag      180

atgatgcttt aatggaggaa aagaaagaga gaggggggga gcacgaaatt gaaggaataa      240

aagagggaga gaagtggaac tttgaagtat gtctcataag acgtccattc atcaaagtta      300

caacaagtgt tacacatgct tctatttata gactaggtag cttccttgag aagctttctt      360

gagaaaactt ccttgagaag cttctttgag aaaacttcct tgagaagcta gagcttaact      420

acacacacac ttctaataac taagctcacc                                       450


<210>      1070
<211>      448
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      1070

agcttctcnn cctatttgct ataaataggg ggatatgtga agataaaaag ggttcagccc       60

cttaggcact tctctctctc tcgaaattgc tgaggaaaat tatttccgtg aagaagaaaa      120

gggttcagcc ccttaggcac ttctctctct ctcgaaattg ctgaggaaaa ttatttccgt      180

gaagaaaatc caagcagagg cgctttcgta cgtttccgt gagtaattac gcgaagattc      240

tcgaccgttc ttcaagattc atcgttcgtt cttcgttttc ttcagtcttc aacgggtaag      300

tacctcaaac cgagcttttc aattcattct atgtacccgt ggtggtccac atnttgtttc      360

atgtatttnt attctcgttt tcatttgctt tttataccccc ctnttgacgt gcttaagcca      420

tttatntaag tcatttctcg cttaatct                                         448
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440

<210>   1071
<211>   107
<212>   DNA
<213>   Glycine max

<400>   1071

tgctgactgc aatcatcttc gggtacattt acaaggctgg tagtagaaat cttgtaaatg   60

gaagtcgagt caaccttgat gcagatgact ttatacacgc atgcttc   107

<210>   1072
<211>   384
<212>   DNA
<213>   Glycine max

<400>   1072

tggatctgac tgccctgctt tatgtgatat acataattgg gtataaagac gactagggcg   60

cagtaactga cgtttgtttt tatatccaaa ttgtataacc tgtgataaat catttaaagc   120

cattggtcct ttattattca ttatatgatc aattctttta ccacttctag attgtgagta   180

tcaatgatta ttcatgatca caaagcatat gccaaactca gatgatagta tatcaaatta   240

ctatacttct gatcatgagg gcgagccctg gtgcatcggt aaagatgtgc ctcggtgact   300

tgttggtcat gggttcaaat ccagaaacag cctctttgca tatgcatggg taatgctgcg   360

tacaacatcc ctaccccata cctt   384

<210>   1073
<211>   318
<212>   DNA
<213>   Glycine max

<400>   1073

agctcctgcc tcagttaata ctcatccgtg gctgtgtgat cagcttttag aagatggcca   60

cctaggattc ttgtgtgcat tttccacacg caagagggtt aaccgaaaca catccagcat   120

ctaagtcggg aatcgaagtt catggaataa tggccgacat tctcaaatgg gtctatacta   180

gattgccttg gatgagttga aactgtcggt gcattatctg aaaatgtgcg tgccctgtaa   240

aggaccatat ggataaagga gctgaccacg ccatacttat acagatgtac ttgtgctacc   300

tacttttccc tgattacc   318

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<210>      1074
<211>      356
<212>      DNA
<213>      Glycine max

<400>      1074

agcttgaggt ctggaagcag tgctttttact gtttctggat gctatctaca ataaaaagaa      60

cccatcagtt tattagacca gaagttatta agattaaaac agaaaataaa aacgaaaatt     120

ggcgatgtgc gcttagcgag atgcagctag cttagcacgc cttagtaaaa acaacacacc     180

ggcttagcgc aatatggttg cgcttagcca gtcatgacaa agaaattttc tctgcataat     240

tggctttgcg agcagtgcta gcttagcctt atgcatgccg caacgaatag tgcttagccc     300

atggggatgg cacttatccc gagcaacact tccaaaaatt tgactatgta atctgg        356


<210>      1075
<211>      252
<212>      DNA
<213>      Glycine max

<400>      1075

tgctagctag ggttaatctc aaagcttcat aagcatatcc ttgtcagagg actgtctttta      60

gtcatcatat caggatgatt ctctatgtga agcttgccct aaagggaaac aagtgaaaag     120

ccattgctat aaccaaaaaa taccgtttgc acttctacgc ccttaacgcc tatgtggccc     180

aactataact acatccctct ctggacacat atatggtttg gtcatcgagg actattacac     240

cagatggaca tg                                                           252


<210>      1076
<211>      412
<212>      DNA
<213>      Glycine max

<400>      1076

gttgcttcct ccagaaggca tcgccttctg gggaactacc tggaaggccc tagtgggcct      60

ggtttctatt tgcaccccct atttactaaa tacaccccct tacctttttt tgctgattct     120

ttttccgtaa cgatacggaa ctttacgaat tacgtaacga tacttgtttt ctattcgtaa     180

tgacacgaca ccttacggat tacgtaatca tcccttcttt atcttacgaa atgttatgat     240
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actttacgga ttgcgcataa acactttctt ttgacttccg acatgtcacg aaacttcacg    300

gattgtgcaa cagtgcattc tttagacttc cagcatgtca cggaactgca cagattgcct    360

aacgatgtgt gctaactacc tacgagtggt catacgaggg tctcatccca ct           412


<210>     1077
<211>     382
<212>     DNA
<213>     Glycine max

<400>     1077

acacagacca ataccacaac tttccttact caaatacccc agtaacattg tcttcgttcc     60

aatttgttca ccgttggatc gactcgaaaa ttttactgga ggtccctagt acataagtct    120

acatttgac  cgttgggatc tgctacaaaa cgtccataac ccaatatgta caaccctttc    180

cacaaccagc aatgcataag catttctgc  acaagcacaa aattatgctg cacatttcaa    240

cagcaaaatt ctgcataata gtgcagattt tcgaaatcac tcttgccttc ttccaatgtt    300

gcccaaattg gaccctacaa gtcctatatc aagtataaat catacctaaa ccacagacaa    360

gcttcagacc aaagcaattc aa                                             382


<210>     1078
<211>     434
<212>     DNA
<213>     Glycine max

<223>     unsure at all n locations
<400>     1078

agcttgtcca ctacttgaaa tgacttagtn taatttataa ataacatgcc attgcagata     60

agatatactt atattcagtt ctgtagatgt tgtttgcgct gatctcccat tagaattaga    120

gttctaccct gataatccat cttagtcctt taatgcagac tatattttgt agattaccaa    180

aaatgaaact ctgattctaa ttgaataaca acatcaacag ccaacaatac caaacaaacc    240

ttatctaagt tttattcttg aaaatatcac ccgtgatcac aagttcacag ctatgatatt    300

gccataattg ataaactgac ctgggataag aaatggctgg atattatctc atgcgatgtt    360

aatgaaccag acaagttatt attccttact ccaccaagct aagaacggcc cactagtttg    420

attttcaaca catg                                                      434
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<210>   1079
<211>   440
<212>   DNA
<213>   Glycine max

<400>   1079

agcttctttg agaagctaga tccttatcta tccatacccc tctattaact aaattaattt   60

ccttaaaaat aattacggat gaaaataacg caacaaataa tcaaacatca aacataatta   120

ctaataatat atagatatat atatcagggt gttacatcag cacctgcaca acctaaggcg   180

cccgccccca tccagaggga ggctccccaa gctccggctc caaccacgac tcgttctgtc   240

ggcaatgcct actttggatc cggttccaat gccatgagga actttccccc gaagccaact   300

ccagaattca ccccactccc aatgacgtac aaggacctct ttccgtccct catcgccaac   360

caaatggtcg taataactcc cgggaagatc taccaacccc ctttcccaaa gtggtatgat   420

cttaatgcaa cttgcatgta   440

<210>   1080
<211>   432
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   1080

agctntgata ttatgataat tattgctaga agatctcatg ccatgatttg gaattcctat   60

tgactccagt ggagtacaat gggtggggca acattcatca atataacgtg gaacaagtgc   120

acccagtcaa ggttatagag gactgaggag accatacgaa catgttgcct taggagattg   180

aggagtactg agagcttcag aggcaattgg agaagacgtc tgagaaggag agtgagattc   240

ttttaaggac gcatcttaga tagttcagta ctcttggtgt gataagtggt ctattttagt   300

cctagttttc ttcattgatt ttgatgtatt ctaagagagg tttctccaca tatatgtatt   360

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tcgtattatt tc   432

<210>   1081
<211>   436
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   1081

taagctcctt caactgcaca atgctcttaa tatttgaaga gtgtccttgt ggaaccttca   60

cccgacgaag acactgacaa aaacttatct tctccttctt ggacaaagta tggcgggctg   120

ggggtaagta aattatcttc ccatcagacc ttggatgcaa atgtgattgt atacccatat   180

cagctaaatc ttgacaggta ttcaagccat ccttcatctt gccttgaatg ttcatgagcg   240

ttccaaccac actgatacaa acatttttct ccacatgcat aacatcaata caatgtctaa   300

cgtcaagatt acacctgttc ggaagatcaa agataatgga cctttcttg catatgcaac   360

tctgactttt atccttcttt tgagtacttc caaatgcagt atntaagtga tgaacccgct   420

gatatacctg ctcacc   436

<210>   1082
<211>   456
<212>   DNA
<213>   Glycine max

<400>   1082

tctgagtcac ctgccgcatg caagctgaac ccaaccgatg agttgtgaac ttttactgtg   60

agtgaacgac tagctgtgac taataatctt tgcatcaatt tgtgaatttt agaatgaaat   120

ttataaatga ggacttgatg aaggccatga ttgtgcatat acaagccttt tgaccaaaaa   180

gcttaccttg aattataatt gtatcatttg caccctttgt gagctgaatg attttgtcaa   240

taattgaacc ctaaacctga atgattatct ccagatacct tgtttagatt ctaggagagc   300

atatggttca aggcattacc ccaaatttag gggagtggaa ctaattggga tgcaaagaaa   360

gagataaagc atcagcacac aacaaataag ttgtgtgtta aaaagaaaa aagacaaaga   420

aagcaatcga aggaaatgtg tgttgatgta ataagg   456

<210>   1083
<211>   432
<212>   DNA
<213>   Glycine max

<400>   1083

agcttatgag catgagggtt agccttttct tgactataaa aataacgttg tttagttccc   60

445

ttgcttactc ccataatacc aggagccttg tgcatatcgc tttttataca taagctaatg   120

agtttctgtt gtaacaaaag tgtttgcact acactatttg tcactacatt cgcggtacgg   180

gctaaggctg attcatttat gcaggttgtc attggtcaag ctgctgtgca caggtgtaat   240

gcaactgtca acttccttga tgaaacaaga ccttcatatc ctgcaactgt aaataatggt   300

gacttgcaca agctatctgt tgatgtagct ggcaatttgc ttggcaccaa taatgttaat   360

attgacaaga cacctatcat ggccgctgaa gactatgcat tctatcaaga ggtcatacct   420

ggctacttca tc   432

<210>   1084
<211>   433
<212>   DNA
<213>   Glycine max

<400>   1084

agcttcggaa gatagtgatg aggtacattc cctataggca gagcttgaaa gagcctgcgt   60

agtcgaagag aagttcaagt ccatagccat caaagtctga aaagagtatg atgaactaag   120

ggatgtcaat atggccaccg atgaagcctt ggaatgagaa accaagaagg cccgaaagga   180

agaacacgac caaagcaaag ttttgagggg ctttataggg cagcaatagt gagctcaaac   240

tccgaagagg tgaaaagaat catcacgggt caaaggcatg atctggaagg acgagctaaa   300

agcttgcctt aggtcgaaaa gaaatttgtc ccaacagtta aagtgagact gaagggaata   360

tgtgggccat catcgatgag tgcaaagaga agctaaatct agcggcaact cacgagcaaa   420

ggctatagga tga   433

<210>   1085
<211>   428
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   1085

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ctttcatctc ttttcctttt agaatccctt tcatgattat gtatctcttc taagaaatct   120

gaaacatcat ctaacacatt ctttcttgga gaaataacat tagactcatc aaaggaaaca   180

tgaatggatt cttcaatatt catagttctc ttattgtata ttctatatgc tttactatgc   240

aaggaataac caaggaagat tccttcattt gccttggcat caaactttcc taagttttct   300

tttccattat ttaatacaaa acatttgcaa ccaaagacat gtaaatgtga aatgtttggt   360

tttctaccat tgaataattc gtaagggagt ttctttaaga tgggtcttat taaagcctta   420

tttaagat   428

<210>   1086
<211>   442
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   1086

agcttgcaaa tggcattata cattaccatg tgactatttn ttttgttata tatcagtata   60

ccatgtgacc acgagttcaa actcaattta agccaatcac ggtagaagat tttatgggta   120

aaaatagtag aagaattaat ggcaagatga ttgattggtg taactacaat aaacagtccc   180

cccactttgg ctttaatctg ttnttttttt tttttcaat ccttccactc caaagtagtc   240

atgcaatatg ccaccaaata ggagaaagtc tgcaaatctc cttaattact ggttggcaag   300

tggagtccat ttgacccacc ttacctgagc aatggccaca gctacttgtc cttttcaagt   360

tctgggtaaa agggtgactc ttcatgatca tatcccattg gatatcatat tggcctaaaa   420

gcataaaatg acataacatc ta   442

<210>   1087
<211>   455
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   1087

cgaaccanaa ccggtgaaag tgtgattnta aactgtgagt gaatgactag ctgtgagtaa   60

taatctttgc atcaatctct gaattttaga atgaaatgta taaatgagga catgattaag   120

gctatgattg tgtatataca agccatttga ccaaaaaact taccttgaaa ttataattgt   180

atcatttgca cccctttgtga gctgaatgaa tttgtcaata attgaacсct gaacctaaat   240

gattatctct agataccatg tttagattct aggagagcat atggttcaag gaaaatttac   300

cccatatttg ggggagtgga actgattggg atgcaaagaa aaagataaag cattagcaca   360

447

cacgacaaat aagttgtgtg ttaaaaaaaa agcaatcaga gaaaatgtgt gctggtgtaa   420

taaggtcaaa agcaaatgaa agtgaaaagc tagtg   455

<210>   1088
<211>   422
<212>   DNA
<213>   Glycine max

<400>   1088

agcttcaaca ttcaatgtca agcgtctcga tatattacgg gactcaatca tacatccgag   60

taaatagtta ttgtcgtttg aattggctca gagcttcaac attcaatttc gagggtctcg   120

atatattacg ggactcaatc cgacatccga gaaaaaaatt attgtcgttt gaattggctc   180

agaggttcaa cattcaatta tgagcgtctc gatatgttac gggactcaat cagacatccg   240

agtaaaaagc tattgtcatt cgaattggct cagagattca acattcaatt tcgagggtct   300

cgatatatta cgggactcaa tcagacatcc gagtaaatag ttattgtcgt ttgaactggc   360

tcagaggttc aacattcaat ttcgagcgtc tcgttatatt acgggactca atcagacatc   420

cg   422

<210>   1089
<211>   406
<212>   DNA
<213>   Glycine max

<400>   1089

agcttcttat ccaatgctca tcttggtggt gaatttcctt ctattctggt attagaacga   60

gtggatggcg cgtcctatgg aatataatac tacttattgg ctgctgtttc tgagaggaa   120

tggcaccata aagtgacctc attatggctc aaggattcca ccttttggtc ttccacaaag   180

ctgatgctta agctgacaat tgtgaactga atgcaatttg agccaatgtc ctttatggtg   240

actaacccaa tacttgtatt aggtgtatca atttatactt gattgcgtca ttatttagac   300

agactaaact ctttaaaatt gtaataaaga ggtgtgatat actcctacct tagggccatg   360

atacaacggc atatcttgga cttttctact tataacatgg cttgt   406

<210>   1090
<211>   464

<212>   DNA
<213>   Glycine max

<400>   1090

tgagctctga tggtgcgcag cccaccatct tttcatagta gagtaccgat tatgtgtcta   60

ccatcacgat tatcgtctcc ctttccatta ttgggggtac cacctgagcc gccagatccc   120

tccacctttt gggcgtgttc tttgaatgat ccgtcccccct ttttgcacat gttctgtagt   180

tgcatcctat ccggaaccat atcacaattg tactgatact gcctaacaaa ggcaaccatt   240

aggtccttcc aagaatggac tcgggaaggt tccaagttag tgtaccaggt aacagctacc   300

ccagtaagac tttcttggaa ggaatgtatt agcaattcct catcttttgc gtattccccc   360

atcttctgac aatacatctt tagatggttc ttgggacaag tagtcccctt gtacttgtca   420

aagtccagca ccttgaactt gggaatgacc atgtttgggt atta   464

<210>   1091
<211>   449
<212>   DNA
<213>   Glycine max

<400>   1091

ctgcagcttg caagtttaat aaagaaactc ttaaatctct cttttatctt tagatttaaa   60

catgttctta gttacattca attgtgcatc atcgattcgt tttgttattc ctagcgaaca   120

ttttgtttta tattgatgat tcacaactgt gtaggtaatt gtcgttgata aagttttaac   180

cttcattttt cacatccoct atatttctag tcttacaaaa tgtcatttct cttgtatcta   240

ttaattaaaa caaacttta ttaaaaaatt attatgagcg tgtttcgatc cgcaccaaag   300

gcccttggac gtgcgtattt catggtcaaa catgagaaag tcagttgacc gtgatgtttg   360

gcttctccac tatactcgat tcacctcgtc gaaatcgatt ttgaagcaca gcatggttga   420

ggcagcttcc acgtcaagtt aaaattgat   449

<210>   1092
<211>   436
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   1092

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cttttaattg aaagtttgga acgatgctta gtgttgaatt ctggcaatgc taaggtggtc   120

ctctgaacat ggacaaatta tctgttaatg gaaattctgg ctccttcaag ggtgggtgga   180

gggttctgat actgcctttt gagtagtggg ttttgttgtg gccctttaga gtaaactctc   240

acaatttcac aatccgattc tacaaataaa gtttatggaa cttccacgat tctacgtaaa   300

atcgagagtt taacaaccat gattggaagt atccgcgctc tctatctctt tatatacccc   360

attaataaag ataataattg ttgatcagca gactgcctgc gttaagtgtg attactgctg   420

gaaatgcaga tattat                                                    436
```

```
<210>      1093
<211>      425
<212>      DNA
<213>      Glycine max

<400>      1093
```

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atatttttc atagaatggg gaacaactaa ctcaaattaa tttacaatga atatttaaaa   120

atgtggagtg actgagttaa aatggattca cttaatcatg ctatatcgag tgactgagtt   180

aaaaatttag agctatatat gtcgctagac gcttatcaac agtatattta tctggtttat   240

aaattaaagt aaacgacaag aaattacttc ttatacattg tgcctacgtg caatcacaac   300

gatacaaaat tccatattat aagaattgcg agtataacta tgttttcatt gagcatttat   360

ttattaatgg tattgtgcta cggcatgtga ggctgtgcga caagttcatc agatataaat   420

attgt                                                                425
```

```
<210>      1094
<211>      192
<212>      DNA
<213>      Glycine max

<400>      1094
```

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tgaagctcca tagctacgat tgacgccaat gactgtaact aacatgacta ccatactgga    60

caggactgcc tccggatgga attgaggcta tctaatacat acaccagatt gaactcatgc   120

aagctgttca cttgtcgcgc atgtagaggc tgctgtagac gcagtgaacg atgattcttg   180
```

actaaatgat ct   192

<210>   1095
<211>   429
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   1095

agcttganga ttatggggta cccgtcatat gtggtattag gtggcgatcg ggcgatggtg   60

aaaatcaact atcccacatc cacgaatcaa acatgaactc accatcccca gttgcccacc   120

ttcaactaag ctcacgtact cctacgtagc ccttatcctc gttcctttca acaccgggtc   180

ctcatcaacc cctccaagct tccacaatat ccaagcgatt caatttccaa atatcatgaa   240

ctatcctaaa ccaagaaaac agggcagagg cagaaaactc tgcccaaaac acattcacat   300

attacaactg tccttactca aagaccccag taacattctc ttcgttccgg tacgttaacc   360

ataggatcaa attgaaagtt ttactggagg ttcctagtac ataaatctac attgtgaccg   420

ttgggatct   429

<210>   1096
<211>   334
<212>   DNA
<213>   Glycine max

<400>   1096

agagatctac aaacattgtt gtgcctacaa cactactact aacgaggaat gtggtagtgt   60

attacaccga gtttgatgag tactaggagg aactcgagag aagactctgg gatgagaagt   120

taactgattt tgcagacgat cgcatagaca ttgctattat gaaggaatct tacgccaacc   180

tctatgaccc caagggtaaa tcacttattc tggtgaaggt gagaggacat ctaacgaagt   240

ttgatgaaga ctgcttgaac acattgtagg agaccccgat gactatggaa gagggggaga   300

atttgtgtgc tgattccaag tttgcactcc tgag   334

<210>   1097
<211>   439
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations

<400>   1097

agctntacag cagatnttag taatgaccca cttttctaga attaaaataa cttaatgcca   60

ttaacctagg gaattaaaac aaactaaatg gctgagtgta actgaaattg ttggcaacca   120

aaagtcaccc ccaacagcca acaagtcagc caccatttgg tctcccaaaa ggctgatgcc   180

taggttgcca attgggccct tattacaact tgaactaaag cccttttagt tgattaaccc   240

aaaacatatt tttggtcagc caactttaca aggattgggc cattatttag acaaactaaa   300

cactctaaaa ttgaaataaa gtggtgtcat ttagtcctcc atttgggcca tgatacaact   360

cacaaccttg gactttctc cttgaaactt gggcttgtat tcaaatagta tggacagcac   420

ttgttgaaga gcgtccttg   439

<210>   1098
<211>   380
<212>   DNA
<213>   Glycine max

<400>   1098

aggctctgag caaattcaaa cgacaataac ttttgactca aatgaccgct tgagtcccgt   60

agtacatcga gatgctcgta atagaaaagg gaagctctga gaaaatgaaa cgaccattac   120

ttataactac gatgtcggat agagccccgg aaaatattga gacgctcaac attgaaaaca   180

gaagctctta ggatattcca acgacaatat agtttgactc ggatgttcga ctgtgtcccg   240

taatatatcg agactctcgc aaatgacaag agaagctctg cggaaattcg aacgacaata   300

acttctgact ctagtttccg cttgtgtccc gtaatatatc gagaggctcg ttatagaaaa   360

gggaagctct atgataaact   380

<210>   1099
<211>   149
<212>   DNA
<213>   Glycine max

<400>   1099

catgcgtgct gggattgatc tgatgcctgc cttactaacg ccatagacgt actcttatcg   60

acatggctcc ccatcgcact caagtgcata acatgggaaa taaagagaga gatagctcta   120

tacactacgg actatggcgt agagacctg   149

<210> 1100
<211> 376
<212> DNA
<213> Glycine max

<400> 1100

catgagctag tgaacactct cttcgacatc atgtctgtgc tcatataagt gatcatgacg   60

tgcattgaga tgttcctgct caactcgcac gtcgtgcact gtgatacctc gctcctgaag   120

acgcttcttt ctgatcttcg atggcactac actcttgagg ggaacattct gaagaactgc   180

ctaccttgtc ttcatgtttc ctctgacgct ggttacgatc tttggagagg ttggacatac   240

ctctcctgaa gatatgatac gcattgtacc tcacttgtag acagggaacc aagtcacaga   300

caccccctcca tgctagccca gagttggtcc caattagcct ttcattttct acgcacgagc   360

agtgaccttg tggcgg   376

<210> 1101
<211> 438
<212> DNA
<213> Glycine max

<400> 1101

agcttatcga gaaaagaaat tgtataatgt ttgtttacaa cattgttaag ttcaactaaa   60

acccttgta gagcattatt cccaagtgct gtaagaccaa ctgtaaaaga aaaaaaatta   120

aacacttgac aatggatgca tgcactacta tcactatacc agctagcttc attcgtctct   180

ttcaagcatc tatagcaatt ctttgcaata aaatcttgaa actaacactt ggacagctag   240

atctaaccgt tgttgtcgga gtgtgaccaa attaatggtt atatttatta tgaataattg   300

aatattaaaa tactcttggc agtgcatacc tacaaagctc acttgtggac aaaaacatta   360

cgggtcttaa tggatagata agaattaaaa tcaatcaaag taaagatcag ggaggatcat   420

catcaatttt cagcaccc   438

<210> 1102
<211> 447
<212> DNA
<213> Glycine max

<400> 1102

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tacggaccta tgatactcag cttgcttcca caaatagtct cggccgaaag acgctgacat    60

cttctggaaa ggtgcagatg accacattgg tctctgcgtg tcatcggact tggggtctcc   120

gaataacgag gtgcggataa ccgtaaagtg ctctgcatgc catcgaactc ttgggtcgct   180

ggatagcaag aaggtgacac taaatagtct cagtcggaag acgctcacag ctccaggaag   240

agtgcagatt accacattgg tctctacgtg tcattggact tggggtgtcc gaatgatgag   300

gtgctaataa ccgtaaggtg tctccgcatt ccaccggact cttgggccgc tggatagcaa   360

aattgtgaga caaaaattgt ctcgaccgga agatgctgac atctctgtta aaggtgcaga   420

tgaccacatt ggtctccatg tttcatc                                       447


<210>        1103
<211>        436
<212>        DNA
<213>        Glycine max

<400>        1103

agcttccttg agaagaactt aactacacac acttttctaa taactaagct cacctccttg    60

agaagcttcc ttaagaaggt tcctagagaa gctagagctt cactacacat acccctctaa   120

tagttgagct cacctccttg agatgagaag ttagagctta actacataca cccctataa    180

tagctaagct caccctcatg ccaaaataca tggaaaaaca aaaagtccc tactacaaag    240

actagtcaaa attccctgaa atacaaggct aaaaccctat actaatcaaa tggccaaaat   300

gcaaggcaca caagaaggaa aaacctattc taatatttat aaagaagagt ggacccaacc   360

ttggcccatg ggctcagaga tctaccctga ggttcatgat aacgctaggg ccttctgttg   420

cagctctagc ccaatc                                                   436


<210>        1104
<211>        429
<212>        DNA
<213>        Glycine max

<223>        unsure at all n locations
<400>        1104

tcaagaatcn gatntcacag aatcaagatt caagaatgat cttttttcaa gattcaatca    60

agcttcatga atcaagattc aagagcaatc aagatcaaga ttcaggaatc aagaaaagac   120

tcaatcaaga taagtactaa aagttttttcg taacattgag tggcacaaga atttttcaca   180
```

```
aaatctttaa cgagagagtt ctactttctg gtaatcgatt accgagagcc aacattggtt   240

ttcaaaactg atttacaaag cttgtaatcg attaccatga gcatgtaatc gattaccaat   300

attgtaaaat gttagatttc aaatctcaag agtcacaact agtgataaaa cattgtcaaa   360

tcattgtaaa cttgtctaat cgattacaca atacttgtaa tcgattacca gagtttctaa   420

acggtttga                                                            429
```

<210>   1105
<211>   430
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   1105

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agctngcttg tggggcttct atggaggctg gatcttcaag cttcagtgag gtcctttaat    60

ggtgattttc caccatggag atggagcaga agacaaagga gaagaggtga gagaaggcac   120

tatccactag ggaataagcc atggaagaag gagcttcacc accaagatga gcctaggata   180

agaagcttgg agaggatgct tcaatggagg aaaagaaaga aagagagaaa gaaagagggg   240

gagcacgaaa ttgaaggaag aaaaagggag agaagttgaa ctttgagttg tgtctcacaa   300

gactctcatt tatcaaagtt acaacaagtg ttacacatgc ttctatttat agactaggta   360

gcttccttga gaagctagag cttagctaca cacacccctc tcataactaa gctcacctcc   420

ttgagaagct                                                           430
```

<210>   1106
<211>   429
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   1106

```
ntaacctcat cgtctctcac agtctttaga tttgggagcc aatccaatcc ttgtgttcgg    60

actctcagcc acttatgata gccgccgatg atcccattac ggcttcccct aagctctctg   120

tcctttcttc acgccgcatc ccatgccttg cgaactcctt ggagtaccct cgcgttgtgg   180

tcactgaaac cccgtgcgat gaaaggcgtg atgctttcgt ctgatggcac tcctctcatg   240

aggtagccaa gctgtcttat ggcgaggacg ggattataat taatacaacc ccttgttccc   300
```
```
455
```

atcaagggaa catttggaca tccttcgcat gaagatagaa tcctgattct tccttccttc   360

tagcgaggga accaattaac agacgcccct ccatgctagc caagagttgg tcccaattcg   420

cctttcctt   429

<210>   1107
<211>   438
<212>   DNA
<213>   Glycine max

<400>   1107

agcttgtcct tggtttaaac atgattggta catgatttgg gacttgtatg tattaatttg   60

ggaaaaattg gatgggggaa agactggttt tcgaaatctg cactttatgc agaattttgc   120

tgttgaaatg tgcagcagaa ttttgtataa gtgcagaaaa atgcttgtgt atggctggtt   180

gtaaaaaggg tagtacatat ggggttctgg acatttgcta gcagatccca acggtcaaaa   240

tttacaccta tgtactagag acttccggta aaattttaga gtcgatccga cggttaacga   300

attggaacga agaaaatgtt actagagtat ttgtatgtga aaagctgtga ttttgagttg   360

tgctttgggc agagtgtctg cctttgccct gttctgcttg gttgtgttag tacatgatga   420

tgggatgtgg aattacct   438

<210>   1108
<211>   469
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   1108

ctaagctctg ctgcaatatt acaatagacc tcctcaacct cagcagctaa atcaaccacg   60

gtagagcaat tatgacctct ccagcaacag atacaaccct ggatggagga atcaccctaa   120

cctcagatgg tccagccctc agcaacaaca gcagcagcct gctccttcct tccaaaatgc   180

tactggccca agcagaccat acattccttc accaatctca caacagcaac aacctcagaa   240

acaaccaaca gttgaggccc ctccataacc ttccctcgaa gaacttgtga ggcaaatgac   300

tatgcagaac atgcagtttc agcaagagac cagagcctcc attcagagct taaccaatca   360

gatgggacaa tnggctaccc aattgaatca acaacagtcc cagaattctg aatagctggc   420

cttctcaagc tgtccaaaat cccaaatatg tcagtgccat atcattgag   469

<210>   1109
<211>   585
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   1109

ctgtacatcc ttactngact ctaacctcac tattccctca atactaataa ctctcacacc   60

actcaccatc cgacgctgac acattganga ccgtcgaact gtagccgcgc actctataca   120

tgctactgcg ngcatgctag catgcttgag gtgctgttat ggacgctgta tttacaagct   180

tcaatgaggt cctttaatgg cgaatctcca ccacggagat ggagcacaag acaaaggaca   240

agaggcgaga gaacgctcta tgcactaggg aataagccat gtgaagaagg agcttcacca   300

ctcagacgag cctacgataa taatctcgga caggatgcta caatggagga caacaaagaa   360

cgatagatag aaagaggggg agcaccaaat tgtaagaaga aaaagggaga gaagttgaac   420

ttcgacgtgc gcctcacatg actctcattt ataaaagtac cactgaggct acacacgcta   480

ttatatatat actacgaacg cttcttgaga ggcatagacc taagatacac atcacgcttc   540

ttatagcgaa gcgcacctcc ctcgagaagc tcccttaaca cgacg   585

<210>   1110
<211>   368
<212>   DNA
<213>   Glycine max

<400>   1110

ccgccgatga tcccattacg gcttcccta agctctctgt cctttcttca cgccgcatcc   60

catgccttgc gaactccttg gagtaccctc gcgttgtggt cactgaaacc ccgtgcgatg   120

aaaggcgtga tgctttcgtc tgatggcact cctctcatga ggtagccaag ctgtcttatg   180

gcgaggacgg gattataatt aatacaaccc cttgttccca tcaagggaac atttggacat   240

ccttcgcatg aagatagaat cctgaatctt ccttcttcta gcgagggacc cattaacaga   300

cgcccctcct gctagccaga gttggtccca tttcgccttt cttttcgacc acacggtgac   360

cttgagcg   368

<210> 1111
<211> 459
<212> DNA
<213> Glycine max

<400> 1111

ctgattgtat tttagagtga gtatttatgt caactacagt cttgctaggg tcaccacaac   60

caatatatca acctaaagtt tatgagcaca gtcatggtag attttgtacg gacatgttat   120

tcacttgtca aaattagtcc taattgaaga tagtaaatag gaaaagttgt aaggactacg   180

aatgtggtaa tcagcgtcgt caaaattatg gagcatgtga agttaatgtc ttgagaatga   240

ttactttttc ttaagactga gagaagctag atcagttttt tgaatttgac ttctctatta   300

tcccttttca ttctgtccca tgaaaataac attgcatgac atgacaatta tattaatatt   360

taattataac atttaattct aaaaatcatc aaaactgtat aattttaaaa ggacaacaca   420

aggacaagga caaggacagt acaggagggg acaatagac   459

<210> 1112
<211> 185
<212> DNA
<213> Glycine max

<400> 1112

acaaaagagg atcttttgca tatctatctt atgtaccgga agctccacat tcattatgac   60

tgaattatcg ctgatcacat gttggctacc cccatgatcg tgtacctaat atgtgcctta   120

gccatattta acactacgat aactgactac tacataattg atacccataa aacctttcca   180

gctgt   185

<210> 1113
<211> 612
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1113

tctctctcta actaccactc aacactcgtc acataattct agtttatatt gctataacag   60

atacctgtgt atcgcatact cgcactctaa ctgcgcaact atctcacatc cctacaccat   120

tacacatctt aatcactcta tatctgttcc acctactaca ctcgataaca catatttctt   180

458

```
cttattaaac ctatacatct acaatctcta tgnaactgcg aatcacceta acctcagatg    240

gtccagccct taataacaac atcatcagtc ctgctcactt gctttccaaa catgctacct    300

aggcccaaca caagactcat tacattcctt cctaccaatc acaacaacta gcaactaact    360

ctctagaaac aacacaacac attgaggccc ctctataacc ttccttcgaa gaacttgtga    420

ggcaaatgac tatgcacaac atgcagtttc atcacgatac caatacctcc attcatagct    480

taaacaancc gatgggacaa ttggctaccc aattgaatca acaacagtcc cagaattctg    540

aatagctgtt cttcttaagc tcgccaaaat ccataaatgt catgccatat cattgacgtc    600

gctacacaat ct                                                        612
```

<210>   1114
<211>   394
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   1114

```
tgtgtaagtt attatcattn gaatttctca cgagcttccg ttgttcaatt tcgagcctct     60

cgacatatta tgcgcccgaa tcggacatac gtgtgaaaag ntatgaatat ttgaatttct    120

cgagagtttc cgatgtttaa tttctagcgt attgatattt ataagcttga atcggatata    180

cgtgtgataa gctatgacca tttgaattta tcagagcttt ggtgttcaat tctaatctct    240

ctcatataag cgcccgatcg cgcattcgtg tgaatgttat accatttgaa ttacttagag    300

ttacgatgct taattcagcg cttgtttata tttccttgat atccttcttg tataagttga    360

cctctctgcc tgcacatctc tgtgatataa tagg                                394
```

<210>   1115
<211>   372
<212>   DNA
<213>   Glycine max

<400>   1115

```
aaagctctcg agaaattcaa atggtcataa ctgttcacac tgacgtccga ttcaggctta     60

taatatattg atatgctcaa äaataaacat cggaagttct cgagatattc aaatggtcat    120

aatctttcac atggatgtcc gattcgggcg cataatatgt cgagaggctc aaaattgaac    180

aacggaaggt cttgagaaat tcaaatggtc ataacttttc acacgagatg tcgattaacg    240
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459

cttataatat atcgatacgc tcgaaattga acaacggaac tcttccaaaa tatagatggt   300

cataacaatt accatgatag accattctgg gcctctattt tcatcaggtc gaataaacaa   360

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<400>   1116

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gctttccgca tgacttacgg aaagatctta gagttgacct tagcagaggt atccatagaa   120

accattgcat cactcaccca atactacgac cagcctttga gatgcttcac attcggagac   180

ttgcaattag taccaaccat tgaagaattt gaggaacttc taggatgtcc tctcggggga   240

agaaagccat atctttcatc cgggtgtctc ccctctttga gcataattgc aactgtggtc   300

taggatacaa caagaggttt ggaccgcata aaacagactc ggaacggcat agcgggccta   360

ccacggatgt acctagaaga caaggcgagg ggtatggcca atcaaggaga ttgggtcccg   420

tctatggata gtgtagct   438

<210>   1117
<211>   368
<212>   DNA
<213>   Glycine max

<400>   1117

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aacgtgtaga tgatacttac atcgcacaca tgtccttggc taaattgaca tacaagcata   180

ctcaaaacat tttggggtac gcaaaattgc acactgtgca cattatggca tttcttaaac   240

ctagacatac actaactcaa tgatgaatct tgactatcta cacaatacgg tgctacatgt   300

catgctcttt tcacatttgt gctccctaac accgcatgca aattcaagta tatcatcctt   360

tgctgact   368

460

<210>   1118
<211>   494
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   1118

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gataaagaac atactacatt gtcgttgagc tgaagagacc cgcattacgt aagcctgtgt   120

cttatatgac acacatatta gcttgactta tatatggcaa gggttggcgc atgaacatat   180

atatgaacaa tggatatgac tgctacgtac gcctctctat ttcatggact tgacatcata   240

cgagttcttc tctccccctt cttgcgtcta agatagctaa cgaatatcac tgacttatgc   300

actgcgacaa gaactgccat acactactga actatcacaa ctctgagtcc aacatatacc   360

ttggttaaca ttattatgaa cttctcaagc cagggagaac cttgagcaag ataccgagta   420

ccgggatgac aatgacaagg atctgagatc catctttact ggttctatac tgtcatgatc   480

actacgcacg ttan   494

<210>   1119
<211>   222
<212>   DNA
<213>   Glycine max

<400>   1119

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cgcctgaaag agtgataaaa gaatacccac cgagcatatg tggtgcacac tcatttactc   120

actttacaaa cgaactctgg ccgatcgtgc acgctataac ctacgctaaa ccgctgagag   180

gaaagtatgc aatgtatctt gtaacatggt tgttaactga tc   222

<210>   1120
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<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
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gtttaggggt gggggaacat aacaaaagcg tttaatcgga atgcattgat agtttaagta   120

461

ttttataatg aaatgcaata tatactaata tagtcgcttt tcctagcgat tcttctaata   180

catatatttg agatgattat gtaaaaatca ttatattaaa ttagtaatgt atcaaaacta   240

aaattctaaa tatatgttga ggcatgactt aatttatgtt attttatcaa aataaactct   300

aaaatttatt ttaagaagct ttaaggtcaa cactataata taaactatnt agtgatacta   360

aactcgctca ttcatgatta tttgtcgcgt tacgaattca cttttactat taactcaaaa   420

agt   423

<210>   1121
<211>   412
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   1121

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aaagcttcat acgatacata ctanaggtac ccaactttgg ccatatggtc caatattact   120

aaacaataga aagggattta taaagttatt tctcagaact gaatagatta gagctaaacg   180

actatctatt acctgagata tgttgatgac aattacgtct acacaaattt tgaatatatg   240

ttcttctatt gttgaaatca attaaaaatt ataaaaattt gtcaatatta ttgcttccta   300

attaatactt tctataattc tataattgat aatatgtgcg aactaactaa taaaacagaa   360

tgttttataa tatactacca tgttagaaat acttatatac tatcagtttc at   412

<210>   1122
<211>   392
<212>   DNA
<213>   Glycine max

<400>   1122

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taaacaggcg agctcctggc agtcaaccga taaggggaac aaagaccaca aagcatggag   120

gcttgtgtgg aggttggcca gctgcgaaac tttgattgat atatgggata tggactctgg   180

taatcgatta ccaaggggcg taatcgatta caaggcttaa aaagtaagac aggagactaa   240

gatggtctct ggtaatcgat taccaggctt gaaaactaga tcatgaagct tggagggctt   300

ctcgtaatcg attaccatgg cgtgtaatcg actaccaggc ttataaatga gacttgaatg   360

ttgaaggagc ctctggaaat cgataccaag ct   392

<210>   1123
<211>   379
<212>   DNA
<213>   Glycine max

<400>   1123

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attgtgaaat gctggtaaaa acacgaatgc caagcagata taaatttgaa tgaggaatgt   120

atagggtcgt gtgaagcaac ggtcgaattt tccttggttc agtagtgaac gtgctattaa   180

tgttaagtga ttcgtttggg cacgttcaga ttgctgtagt tgctataatt cctctagcac   240

acaaatgccc agcttgcccc tcagttgttc aaactgattt gcatccaaag cctttgtgaa   300

aatatctgct attctgtcct caatgtcaac atgcttcagc gtgatcactt tatcatcaac   360

aagatctctg atatagtgg   379

<210>   1124
<211>   449
<212>   DNA
<213>   Glycine max

<400>   1124

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gcttcaatca agttctaagg caacagtaca tttcccaatg ctaaagtcat ctaactgtga   180

acacaaatgg gtgatcagac caaaagcata ctaacatcaa gcattgaagg aagcattgaa   240

cacagaatac acaatcaatt aggtattagg tatttacatc atctgttcat ttgaaatccc   300

caactagggt gttccgccac ccattacaga agagacccta tcaataatta gcttactaac   360

cctaggtatc tctgcaaaag ctgctcctct tgctacctcc agagctcctt tccctaaata   420

ggcaatgtgg ctgctgtgga attttgtgc   449

<210>   1125
<211>   459
<212>   DNA

463

<213>   Glycine max

<400>   1125

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tacacccct gccttttttt ggtgattctt ttttcgtaaa gttacggaaa cttacgaatt   180

tcgtaacgat acttgttttc tttccgtaat gttacggaac cttgcggatt acataatcat   240

cccttttttg acttacggaa tgttacgaaa cctcactaat tgtgcaacga tgcttccttt   300

tgatttccgg tgtgtcacgg aaccttacgg attgtgcatc aatattttct tttgatttcc   360

ggcacgtcac ggaatttcac aaattgccta ctgatgggtg ccaagcacct taaaaatgac   420

caaacacaag ttgcatgcca ccaagcacag gtccctgga   459

<210>   1126
<211>   461
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<400>   1126

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agatgtttgt ttcaccccag gtaaaacaat atggagttat caagcatttg cccggaattc   120

aaatgatggg tcaggacgag gctgaatgat tattccatgt cctatggcca attgaacagt   180

ccctttgaca agtgtttcgc acaagggatt caaggattta tattctttca ttttccccaa   240

gatacagagt gtcctatatg agagagacag gaattgtatg gttaagggac agaccatcac   300

ccatgcaaca gtccaccagt catacataga cactattagt atatttctct cttacatcat   360

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ttcacatttg ttcataccaa ttcacattgg cctctgctca a   461

<210>   1127
<211>   449
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   1127

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464

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ctatatttta atccaagtga acacttccat aaggtttggt tcagtttcta tcaagaacat   120

acatcaaata aaggatgcac agcttttaga taaaaagttt atgaactcca acatacctgc   180

aaaagacaac tacattcgac tcgtttttttt gatacactgc cacaggtctt tataacattc   240

ctgtagaaca gcttctcaac aacaatgaca ttcagatggt tgaaaatatc aaaaccagac   300

tgcttgagtt tatcatattt atcaatatga aatttatgaa tgtagcgctg ggcatatggc   360

agagtccagt ttaccaatga ctntttcaaa ctacaatcag caagaccata atatattggt   420

tcccgagtta ccacctgcac aaagtcata                                     449


<210>      1128
<211>      457
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      1128

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tttatttaag ccgttttctc acctaataaa tgataaaatg aatttcaacc gatcatttgt   120

gttgtaatct cattcaatca cttttaaaac gaaatctaac cgatcgttca cgctataacc   180

tcggttaaac cgaaaaaagt aaaataatca aaatatcttg aaaaataata ataaaataat   240

caaaatatct tcgaataaaa taatcaaaaa aatcaatcgg acgttnttct ttggaagttt   300

ccttgaatga attgattaat aactaaagtt aaattaagac taaaatcaac tcacaaatca   360

agttttgtcc gaaaaatcac taaaaaccgt tttaaggtcc aacgccttaa gcggtcctct   420

ttgctttttat cggttaacat ggaccgttca aaagcat                           457


<210>      1129
<211>      338
<212>      DNA
<213>      Glycine max

<400>      1129

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tctctgattc atctctttgt gatgcatatg gagaatccga tatgatgact aatacttctc   120

atgacggaga gaatgatgat gacgtgacca caagcaacgg cagggatcca cttaacgact   180
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tgtatgacct atgacaaggg ctacagcaag gaaagcctag gacgctcttc tacaattgct   240

gtccatacta tgcgaataca agctcaagtt tgaaagagaa aagtccatgt tgtgacttga   300

tcatggccca tatggaagac taaataacac cactttat   338

<210>   1130
<211>   414
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   1130

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tatgaggacg aatattacat tcttctctat gccaaatttc agattgatct atccggtttt   120

cctcattggg ctccacctca atgctatcct tttctgagct agcatggacc accttatctt   180

ctgcacgtgc ctttgtctta taaaccattt cagactcatt aaaaataaca tcatgactta   240

taatgcatct tttgtgtcct ggctctaaac accacaatct gtaccccctta aaaccctgag   300

gatatcctat aaacatacac ttgatagctc taggttccaa tgtgtcttgc cttatgtgag   360

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<210>   1131
<211>   435
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   1131

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ctatagtctc gagatgaggc atatacaaat tgctatcttg aaaacctaag accatgccca   120

ttaatgtgat aaggggacat aacaatcaac atgcaaagga taaatagtat acatgacaaa   180

cctgtactcc aaatgtcgga cactattact tggcttctac aaaagccaag tncaattagg   240

atgtaccaaa aaataaagac ctaaattaat caacagtgaa acatcaccta ctaataaaga   300

atacaccgac aatatggtag ggaaccacac aaataaagtt ggcatttaaa gtcaccaaag   360

agatgaagag aaaacatata ttgccatcat ctgctccatc atatggtaaa cacactaaag   420

ttaggaaagg aatga   435

466

<210>   1132
<211>   438
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   1132

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aactgccaca tcacaactta gatcttaatt gaatttttga gcttaccgaa ccatattaaa   120

taatttcaga ttagggacta tactgattat ttcaactgtt gttttcatat ggtgtttatt   180

tgtgcatgtt aatctccctc atgacattct gttattcatc attgtatcaa cgtaacaaag   240

aaaacagtat tattgtgttg tcgaccaatg ccacaattaa agagggccac cctgtactat   300

gatatatagt tacttatgtt gtctttcttt cacaacaaat atgttgtttg attattttat   360

tatctatgta gttgtttggt tattcatatt tcttcctggt attgatttct tcagctggag   420

acgagttctt cttacata   438

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<212>   DNA
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gctttaaaca cttaaatatt ataaacatac tcaaagagaa tgctgctcct tatctataat   120

taagggttca atatgctcct tctacctgct tttaattcac tctgattcat tcaagtgtgc   180

ctactatacc acatgactat attagatacc tgtctgacag cttttctact tccactacct   240

aactatatta attatgtgtc atgcagcatg actcatatat tatcacgtgt cattaagatg   300

acatagttag tatgcatggc aatattgact tgatctaata cggatcacag tgaatctttc   360

aaaacttaag accactttat   380

<210>   1134
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<212>   DNA
<213>   Glycine max

<400>   1134

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cagatactct catgctgcta agcacgctgt atctacgctt aacggtagat gctagctgag     120

cccactggat ccgcttatcg cgactgctcc ttgtggaagc aatgacttcc aagagtattt     180

tgatgatgcc aaagaatcaa gagtcaagca cgttccattg aatcatgact ctggttgctg     240

gaagaacctt gtttctgaga ttcacgattc aagaataatc aagtctcaag aggcaatcag     300

gtctcatgaa taatcaagac catgagtcaa gactgttgat tcaagaccca tgagaagact     360

caatcgggat aagcactaaa                                                  380


<210>      1135
<211>      333
<212>      DNA
<213>      Glycine max

<400>      1135

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ccaaagttga ctatgtgaaa ggatgttatg accaagtgaa ggtgccattt gtcaagaaga     120

atgatggcta tacctagcat gcctacatga tgatgtacga agtggttctt gaacacgatg     180

atgatcctgt acatttgatg ctaatgtgc ttcaagaatg atggaatgat gagaatactg     240

attctgacca aatacaggct tcaggcgctt gaggagatgg acacacccct ggagtggaga     300

atgatgaatg cccatatgga gaatgataat ggc                                   333


<210>      1136
<211>      433
<212>      DNA
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<400>      1136

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ttttgtattg tgttatgttc tgtaatttcc ttggctctgg tacaagtttc taactaatgc     120

tctcatgaat gaaatatact gttattaggt gatccttgaa cagataacca gttccccatg     180

gaacaacttt ttgttcatga tgtactatgg cttggttata gaagctatgc tcattcataa     240

aatatgtttg aatttgtatg ttacgttacg cctcaattta cacataataa ttttgaaata     300

tttccattaa agcttaatgt catcttttgt tgttaaagtc tcttctgctc tgcacccgac     360
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468

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gtgtatatca tga   433

<210>   1137
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<212>   DNA
<213>   Glycine max

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ttaagcatgc attcaattta aaacaaagtc atacacccgt tttcacaaaa agataaaagt   180

gtttcactgc catgtcatct aaaataagtt aaactgttca aaatgcttca agataagcat   240

aataattatt catatataaa actagtagta tatatagaca taaaggaaat actgtacgat   300

aaccaaaatt ataataataa taaatcaaaa agtgaaaagt gtcaccagga attaaaattc   360

ctgtgactag tcctgagtct cctgtgtttg accatcctcc tcatttgtca gctgaagaac   420

tggagtagtg ggagga   436

<210>   1138
<211>   280
<212>   DNA
<213>   Glycine max

<400>   1138

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ggaagagata gggcaccggc ggtggacatc actggttacc cccatggcca agttcgatcc   180

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gatgtcctgg gtaaggggtc agtggatccc gtttgatgcc   280

<210>   1139
<211>   354
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations

469

<400>   1139

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accttggctg tcccaaagga ctttatcaac cttagtgggt cgccctcggt gggacgagag   180

atgctttcct tccgtttatc gtctaccttg ttctttcaaa tcacaattgt agataatacc   240

tcctatgaca ataaatatct tgtggtccta actctccttt tatgcactcc actttcgtga   300

ttgatgggcc tcaaacgaac tcaaaacgat accttgcacc tcatattgga atga   354

<210>   1140
<211>   434
<212>   DNA
<213>   Glycine max

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accttgaagt agtattctaa acaatatttt tctgagtaca atattatgaa aaataacttt   180

ctaagtgtag tagcaacata ataagaatcg ttataacata aactaaattt gtcataataa   240

caatgttttg agagatacat ttatttatgt aatgatcttc taaacaagag caaatgcata   300

ttgacattag gttctcataa tcaagtcaaa cattgaataa tgagtgttat gactaaccac   360

ttagagagct tagttgtctt agtacttgaa cctctatgtc aagaatttct ggacaccaat   420

gtagtcttga ataa   434

<210>   1141
<211>   425
<212>   DNA
<213>   Glycine max

<400>   1141

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ataatatcct tgtcttctat cgcggctgcg tctgttatat ttcttttcaa acttattctg   180

gctctgaatg catacttaag gaaatattat gttatggata atgatataca catctcttta   240

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ctgttcgcca atataataaa attattgctc tttactctaa tatatatagg taacgactta   360

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<210>   1142
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<212>   DNA
<213>   Glycine max

<400>   1142

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ggtgattttc caccatggag atgcagcgga agacaaagga gaagaggtga gaggaggcgc   120

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agaagcttgg agaggatgct tcaatggagg acaagaaaga gggagagaaa gagagagggg   240

ggagcatgaa attgaaggaa gaaaaaggga gagaagttga actatgagtt gtgtctcaca   300

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agcttccttg agaagctatc ttgagaaaac ttccttgaga agcttctttg agaaaactgt   420

cttgagaagc tagagcttag ctacacacac cct   453

<210>   1143
<211>   459
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   1143

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ccaagtataa gttaataggg ttaattataa aatttgtccc cttattttct tatttcacta   180

aatggatcct ttaagggaag actagaattg tcttttggag taaaaggtat actcttttat   240

cataaaatta aatcttatat attacatttt aagagataat atattatatt ataaaaatat   300

aataaattaa aaaaattaaa ttttgaatta tttttcttaa aacttacatt aatactatat   360

tttgtaacat atatttaaat gaacactntg atatagtgat aaaagaatat atttcttatc   420

tcanagatca tgattcatta aaaaataaag tgatgaaat   459

<210>   1144
<211>   333
<212>   DNA
<213>   Glycine max

<400>   1144

accacagagt ggtacctgta gatatgtctc gggggtcatg agaacctggg gacgtcatgt   60

ggggtgctat tgcccaaaac caagcttgac caatcccgac ccaacccggg catagtcggt   120

cagtgagaac ctgtgatgta cctaagcagg cgagctcctg caatcaacag ataaacgata   180

acaagaccac aagcatggag gcttgtggtg ctggccagc tgtgaatttt gtgtaatatg   240

tggatggtgg cctctggtaa tcgattacca agggtgggta atcgattaca ggcttaaaaa   300

tgaagacagg atgcatagat ggtctctggt aat   333

<210>   1145
<211>   461
<212>   DNA
<213>   Glycine max

<400>   1145

cggagaagat gcttcaatgg aggaaaagaa agagggagag aaagagagag gggggagcac   60

gaaattgaag gaataaaaga ggtatagaag tggaactttg aagtatgtct cacaagactc   120

tcattcatca aagttacaac aagtgttaca catgcttcta tttatagact aggtagcttc   180

cttgagaagc tttcttgaga aaacttgctt gagaagcttc tttgagaaaa cttccttgag   240

aagctagagc ttagctacac acacccctct cataactaag ctcacctcct tgagaagctt   300

ccttaagaag attcctaaag aagctagagc ttagctacac atacctctct aatagctaag   360

ctcacctcct tgagatgaga agctagagct tagctacaca cccctataa tagctaagct   420

cacccccatg acaaacaaca tgaaaataat ataaaagaag t   461

<210>   1146
<211>   347
<212>   DNA
<213>   Glycine max

<400>   1146

```
tttaatagtc attgcaccag atctaacctc tgcatcagag gctggaagcc ttctcaaaaa    60

catgaaaacc ttgaagtagc attcctaaca atatttgtga gtgttctata ttgagaaaaa   120

tgactttcta agtgtagtag cgacccaatg agaatcgttg taacataaac ggtactcgtc   180

attactacaa agtgttgaga gaggcattca tttatgtaat gaagttctag gcaagagcca   240

acgcctattg acattacgtt ctcattatca agtccaacac tgtatcatga gtgtgatgac   300

taaccactta tagagcttag ggggcttagt acttgaacct ctatgtc                 347
```

<210> 1147
<211> 696
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1147

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acgcgctcca cntctcgtcc cgtgntgttt antgcanttc attacctccc gtcgacagta    60

atatttgatg tgtgcntctc tctacgctca tgcctgtact actcgtcgtc tactcccgtc   120

ntagtgcact gactcatant cgtacactct cgctcattnt atcgctatca ctacatgact   180

tactagcgta ctcttatgag tgtctctcac attctctcta ctctcttatc tctatcgtat   240

ctttctcatg cacatcttct cttcatctct ccgatacgta ctnnnnccgc tctcctctca   300

cgcagatagc acatgtgtgt gctctcgatc atacatatgg ggtagaatat ctcgtagacc   360

ttgtgcttgt cggtacagag gtcagagttg tgcctttata caatatatga cttgtttaga   420

acagctgccg tctatgctta aatattatta tagcacatgc tcctgctttc tcgttgtgtg   480

gacgactaca ccaatgttgt gacatgctgt atcttgcatc acatattcat gtgtactcat   540

gctacgcacg gtcctttcac gcgcttcatg ctcatgcata cctaaaatca tcatacacgg   600

tctctcacaa tgtggagtca acccatacac actattatca tacctgcttc tttagaatct   660

attgatacct ttcttgttga ccctacagat actcct                             696
```

<210> 1148
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1148

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cattatttga ttgaaatatc tccattatat tttaaaagtc ttactctctt tcactgcaat    60

tactcctgct caagtaagat tatctcttat gtaaaactca ttcatccatt tggtcaaaca   120

caccatgaca ataagtttta ttatcttgaa ttcttttaca caatttcatt tgtacaagta   180

tgcatgagtg tatcagattt tagtgcttga gtatttaaaa aaatataatt tttgtcccct   240

tatgtttcta aatctgtaat tttagtcccc aattntttaa ttgacatatg ttatctctca   300

cttttaaaa aaaatcataa tttcagatca cccgactaat ttcaaatgtt aattgtgtac   360

tttgtatttt ttttctttaa attaaactta ttagtaatta aatacataaa aaaaaatact   420

ct                                                                  422


<210>        1149
<211>        429
<212>        DNA
<213>        Glycine max

<400>        1149

tggctgctgt catcatgtgc aagcgtcgcg atatattacg ggatttagtc agacttccga    60

gtgaaatgtt attgtcgatt gagatagctg cgagcttcgg ttggatatgg cgagcgtctc   120

tatatattgc gggactcaat gagacttact agtgaaatgt gattgtcgta cgcattcgct   180

gctacctatg gaacaacaat tcgagcggct gacatattgc gggactcaga cggacttccg   240

aacgatatga tattgtcgat ataatatgct gagagcctcc gttataaaca tctagcgtat   300

cgatatatta cggcactcag tcagacgtcc tagtgagatg ttaaagtcgt tcgaagtcgg   360

tacgcgctat ggctattaat tacgagcgtc acgatatatt acgggactca ttcagtcttc   420

cgagtgatg                                                           429


<210>        1150
<211>        438
<212>        DNA
<213>        Glycine max

<223>        unsure at all n locations
<400>        1150

agctcgtagc ctattcgaac aacaataact nttcactcgg aagtctgatt gagtcctgta    60

atatatcttg acgctcgaat agtaagaccg aagctcgtag cagattcgaa cgacaataac   120
```

474

atgtcactcg gaagtcctat tgagtcccgt aatatatcga gacgctcgaa ttttaaaacc   180

gaagctcgta gcaaattcga acgacaataa catttcactc ggaagtccta ttgagtcccg   240

taatatatcg agacgctcga attttaaaac cgaagctctg agcatattcg aacgacaata   300

acatttcact cggaagtccg attgagtccc gtaatatatc gagacgctcg aaatttaaaa   360

ccgaagctcg tagctaattc gaacgacaat aacatttcac tcggaagtgt gagtgagtcc   420

cgtaatatat cgagacgc   438

<210>   1151
<211>   508
<212>   DNA
<213>   Glycine max

<400>   1151

agaacgcgca tgaaccatga gaacatcgag atccgagata ctctccaggc gagctgacgc   60

gtgcgagctg aagatgtcac agtgaacttt ataagcttat gtgctggcca gcatagggga   120

caatcgacta tgtatagcca acgtattatc ttatgagata aggtgtgatg acggtccttc   180

cacattatat tattccatgg tagattgatc gtctccgctc aaaggaaccg cttgttagag   240

tcaagaatat tgagcgtcgg tcaacgttat attataagta gacacctata gaggaactac   300

cacgttatat tgggttaatt gtggtatagg cccctatagt tgatcgaatc ggtcattaca   360

ctcatttcct ctagttatgt ctactgaact catgctttat acttttacta tgaatggaat   420

ttaacacacc tcttatataa ccgtccaatg tataacaaca ttacgagaca tggatgtcat   480

tatagatgat atgaacctac actgctct   508

<210>   1152
<211>   380
<212>   DNA
<213>   Glycine max

<400>   1152

aatggatatg gttaggtgta tgttaatcaa ttagacttta tccgtatcct tgtggatgta   60

taccttgaaa actgccatgt agttgttgaa cagggttcct agtaaggtag ttccaaagac   120

accttttgaa ctgtggacaa ataggatacc tagtataagg cacctgcatg tttggggttg   180

ccaggcagaa ataaggattt ataatccgca agaaagataa ttggatgcaa gaacaatcag   240

475

```
tggatatttc attggttatc cagaaaagtt aaaagggtat atgttttatt gttctaatca    300

tagtatgaga attgtcataa ctggaaatgc aaggttcatt ggaaatgatg aaatcagtgg    360

gagtacagtt ccacgagaag                                                380


<210>      1153
<211>      412
<212>      DNA
<213>      Glycine max

<400>      1153

acactcacac atatacttag ttcaaaattc tatgattaag agcatatatc tactgaaatt     60

aaattcatac acgcacagat gaacacaaca caaaggtttc tctgtcagtc ggagttgtaa    120

ttttttaggg tgttataact atgtatagtc atttacaaaa ataccctcca cttgtaaact    180

cttatgactt aattatccct tttatatctc aagatatcta ggatgaccaa taatcaacct    240

taattatccc cacctaattg ctaaccttac attaatgact aagttcttct tttaagcttg    300

taatttgtat atctagacca agatctaatt atttacatct aggtcattaa tgagttgacc    360

attatttgac caagaaaatt ctctaaacta tctttattct atgtagaagc tt            412


<210>      1154
<211>      408
<212>      DNA
<213>      Glycine max

<400>      1154

tatacaagta ctcttgaggt ttcttccatc agagcctcgg tattgagctc ttaatcttct     60

ttttcttctt gtattcctta ctggattcgt gcaaacttct cattcatgga tccaaaatct    120

cattttcatt cttacaagct tgaaacatca aggatctaag atctttgttc atctaataaa    180

atacatgtat cttcatcaac gtaaagagag tctctccaat acttaaaccc taatcttggc    240

gtctttggaa gctaaccttc attgaatgtt gtttagatgt tcaaaatttc atagctactg    300

catatgctgg aactgtatca tgtgttgttt ctcttgtaat cttaacgcaa aaaatgagat    360

atttgagtgc caatacttac gcgtaacctt atatctcacc tacctcat                 408


<210>      1155
<211>      392
<212>      DNA
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476

gcattacatt attactcatg cttctaacca tgtctaatat tgttngattt ctgcgttctg   60

ccacaccatt ttgatctgga gaaccaagca tcttgtattg tgcaacactc ccatgttctt   120

gaagaaactt cgcaaatgaa cctggtgctt gtccatcctc tgtgtatcta ccataggact   180

ccccaccttt atgtgatctc acgatcttaa tatgttttcc acattgtgtc acatctgcat   240

ccttaaaaac tttaaaggca tctaaagctt cattcttaga atgaagtaag taaagacaca   300

tatatcgtga ataatcgttt ataaggata tgaatactct ctgactagtg gcattcatgt   360

ctgggcaaag tatgtctgta tgtatgattt ct   392

tgaatgaaac accactgtca ttgagaacaa tggatccatt tttaaaaata atacctaatg   60

tgtattcaca actgttgact gcttgctcat ccagaatgcc atagttttat gaatacttgn   120

gttgatactg aaacttgtgc tttcttacag ggttaggttg tgccatatat atagatgact   180

tttcatatca gtgctgcatt ttttaaagat taaaaataca cctgctcatg ctttctgtat   240

gtgttgtcaa ctacaccaat gatgtgacat gctttacctt gcatcaaata tgcatgtgta   300

atcatgctat gcatgagcct ttcacgcgct ttatgttaat gcagacaaaa atatatcata   360

cacggttttc cacaatgtgt atgttactca gaccacaata tatcatacat gc   412

ataaaaaaaa tctaatgatg agtcaaaata ctcaaagaaa taactttgtt atgagacatg   60

attagttttt ttttatctat aaaaattaaa gatatatatt aaagaatgta taaaattcac   120

atggattatt taatcaattg aattaaactc ctttaatata aaatataatc aattaacatt   180

tgacactaac acttaaataa ataaagtaat aacttttttt ataaaataca aaagtagtca   240

atctaatcat cgaataattt aatattatct ttgtaattat atataggaag aagtcaaatt   300

acaatcatat gtttttacac caacagttat attgtaaata actctatata aaatataaat   360

tttattgatt taattgttaa attctaatta tatattatct tgagtgtggg tctcacattc   420

tctan   425

<210>   1158
<211>   436
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   1158

tcctggtnaa gttntatgca aacaactatg cttgacattg ttgttttcta atttgtatat   60

tgggatttat attagttttt catattggtg ttttcaggat tcctagtgag gatgcagagt   120

ctcaactctt aaaaggcaga aaaaagtgca gtggaagctt ttgagacagc ccacgctatg   180

ggtgttatta tgtttgactt gccaaattgc cctaagaaac gttgtcaact agagacatcc   240

tctgttaatg gagaaggatc atctacccat actgttactg catcttttga aactgccctg   300

aggtgggcag ataagtagtt gatgcagtca aaactgcatt tataaggctt gcaaattgtc   360

cttcttttag tatcggtgaa ttcgaggaac tactaagaca aattagtaat ctggacttgt   420

ctgagttctc ttcaga   436

<210>   1159
<211>   426
<212>   DNA
<213>   Glycine max

<400>   1159

gcacttatgc agtaaagaga ctgtctaatg catgtttaca acatggctaa gttcgactaa   60

aaccctcttg tacactttat gtgcaagtgc tagcagacct actggtgaga aaaacaaatt   120

tcacacttga caatggatgc acgcgctgct atcgctatgg ccacataact tcattcgact   180

gttgtaagca tctacagcat gtctttgcaa tataatgtta gatactaaca cttggacagc   240

478

tgtatctatg cgttgacggc tgagagtgac cacattgatg gatatatcta tcacgaataa 300

gcgtatatta gaagactcga ggccgtgcgt gactacaaag tctagttgtg gacagaaaca 360

tgctcggtct gaatggaatg ataagaacta aaatcaatca ctgacatgag cagggatgat 420

catcat   426

<210>   1160
<211>   502
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   1160

cgcgcttgca cattgtgacg cgtttcgccc gcgcatcttg aggcagctgc ggtctacagt   60

catatgcttc tggcactcta cctcatattt gtaatagcca gtgtagttat ataaagcctc 120

aagctcatga ccgtctatct atgcgcgcgc gtatgatcac ctcgcggacg tttgtctggc 180

caccgatgat gtcatggaat gagaagtcat gcttgcctta tctgattacc aacacgcacc 240

cctcctgttg aggtgcttgt gagcgctatc aggtactgat ctcaaacaga gaaagaggaa 300

ttgcaatgtt gcggatcaaa tgcttgagct tcactgccta cctaacagct tgcactgtgt 360

cattcatatg ttcgtccaac cgtgcctcgt aaccgaacgt aatatgagct ccatcatctg 420

tgagtagcga gtgaacatta tctaaccncg acttatgtgc aaacgctatg ggatgactac 480

tccaagatat cacgagagag gg   502

<210>   1161
<211>   380
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   1161

atctaatatt catgtgagtt acagaaaccc gcacttattg tgatcacact ctttgtgata   60

cattattatc attattaatt aaaacttata aaatcgagaa ttaaattcca ctgatgaata 120

agatgtgaag ccgacnattt tttagccttt cataaattgt aacagttcgt acaaatcaaa 180

gcatattaaa atgtgtttta gcatttctta caatacataa tgaaagtggt ctcctagtcc 240

gtacaacaat ttgtcaacta gggcaagctc acattaaata tatgggcatg gctaacatga 300

ttatcgcaaa gtttctaaca ttatatttac ccgtaaacta ttatgaatgc ataacagaaa 360

tatcaggaat attgttgttg 380

<210>   1162
<211>   424
<212>   DNA
<213>   Glycine max

<400>   1162

agctttaaaa gtacccattt accaacctca tagtctactt cacgccattt agtatcatca 60

gtgcgtttca tcgtagcttg cgcttctaat agcttctgac gaatgcaaag aaaaacttcc 120

tcacagtgct tcagagtatc atccaccgca tctagtttgg aggagctagt gatatagtct 180

ggaaaagaga aaggtttccg cccaaacgtt atctcatacg gcgtagagcc cgtgcctgcg 240

ttccatgaag tattatgcga taattcgacc cagggaagga atctgcccca agtccccgac 300

cggcggtgca ccatagcccg caaatattgc tctattactc tgttcatgac ttcactctga 360

ccatcactct gtggatggta ggctgaactc attctaagcc ttgtaccact caattaaaaa 420

agct 424

<210>   1163
<211>   427
<212>   DNA
<213>   Glycine max

<400>   1163

taggctgttt acaaaatcta tttagttaaa tatgctacga tttagtttat aataaaacct 60

attaagcttg ataaattggt ctatttattc atttatatat aataaaaaat taatatacat 120

gtattatact ttaatattta atatcttaat aagttaataa ttcatatcat aaataaaata 180

aatatttgag ataaaaagcc tttaagtaaa taataggtca tatcaggttt ttaaaaaggt 240

caaaccaagc ttaaaaaaag tctctgatag gataataggt taggtcaaac cttaattttt 300

tataataggt caaacctatt tacacagagt ctaacatgcc ttgtatattc tcacccctat 360

tcttacgttt caatgtttga acttcaaaaa gaaaaacaat attcataata tttgcttcca 420

atcatgg 427

<210>   1164

<211>   463
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   1164

tcctcaacat caaagtaata caacatccaa tcatcatgga ctatcaaaat caagcaaaac   60

agggcaaagg cagaaaactc tgcccaaaac acaactcana atcacagctt ttctcactta   120

aagaccccag taaaaattcc ttcgttccag tttgttaacc gttggatcga ctcgaaaatt   180

ttactggaag tctctagtac ataaacctac attntgaccg ttgggatcta ctagaaaata   240

tccagaactc cttctgcaat attctttcca cagccaatca cacacaagca tttttctgca   300

cttgtgcaaa attctgctgc acaatttcac agcaaaaatc tgcacaaaga gcagatttcg   360

aaaaccacac ttcccctcat ccaatctttc ccaaatcaga tcctacaagt cccaaatcat   420

gtatcaatca tgtctaaacc aaagtcaagc ttcaaaacac agc   463

<210>   1165
<211>   401
<212>   DNA
<213>   Glycine max

<400>   1165

agcttggttc gaggtactca cccgttgaag atcgatgatc gactatgaac gaatgaagag   60

cgtcgaataa cggttgaaac ctttgcgaga ttcctcacgg aatacgttac ggaaacgttt   120

cggaagcgcc tcggcttaga ttgtcttcac ggaaacaatt tttcctagca tattcgaaag   180

agagagaagt gcctattgtg ctgaacccct ttcttattgc cttcctcccc tatttatagc   240

taaatagggg aggtggttgc cgcccagctc gcccaggcga gctcaactcg ccctggcgag   300

cagggttgct tcctccagaa gctaccgcct tctggaggaa tattccagag ggcccaagtg   360

ggcctgggtg ctatctgcac ccacattgta ctaagtacac c   401

<210>   1166
<211>   460
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   1166

```
cgctaagcga gatctgcatg atttaaatac attcttcagg gtcaaaaaca caattttctc      60

atcccccctct ctcaaaactc caccaaacca ccctagaaac tcctcctcca ccacccagga    120

ccatcggtag ccaccacaag ccactgttgc ttgccgccaa accaccatac ggagaggaaa     180

ttaaaatgca cagcggacat taaaagagta gggaagaatg agacaaacac acaagagtnt      240

gtatactggt tcggtaacaa cccgtgccta catccagtcc ccaagcaacc tgtggtcctt     300

gagatttctt tcaaccttgt aaaaatcctt ttacaagcaa agatccacaa gggatgtacc      360

ctcccttgtt ctctttgaac ctagtggatg taccctccac tagaactgat ccacaagaga     420

tgtaccctct cttgttctca gtcaataacc caagtagatg                            460
```

<210>   1167
<211>   586
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   1167

```
gcaaaactcc caccatacgc ttctactaat catacatcac tctcaatatn acatanaccc      60

tcatacacac gccgtgcgtg aaaccattgt aganccgtcg tatctccaaa gacgacctcg      120

angcatgcaa gctgctactt atgcggcagg gcggacttac tttactatct tgtctccaac      180

gcgagctatg accactgttc ttccttcccg cgacgcttct tttcatgtcc gcctgagtgg      240

gtatatagcc taaaccatac tttccacgat ctccttgagt attcactcag gctagttatg      300

ctgacgctgt ctttgcctaa acccatcccg ggtgcataac cgctacacca acataactag      360

ggccattatt accgctgcat cggacagact aggctgctca aagagggagt ccacggagga      420

tatgtcgacc acctacaaag actgtagagc gtgctctaac gaatctattg cggatcacac      480

aaatgcaagg tagacggtca gcttaacaat atatgataca tgcccgatac gaagcaaaca     540

atgccctccc actaccaaat attagcatat gcccagacgc aatccc                     586
```

<210>   1168
<211>   380
<212>   DNA
<213>   Glycine max

<400>   1168

```
taaacagaca attttaaaga catgaatgta atgagatttg agtcttgatt tgcctaattg      60
```

cattcaaaac tctcattgga aaagaaatcc atgtctatga acttaggatc aataatggaa   120

tgagaggaga aaagggttgc gtaccatatc cgttgttctt ctgatgagaa catcaaggaa   180

gaagatatgg acgacggaat ctgcatttcc tgagcctcgg agtgccgttt ggcttcactc   240

gaagatccct tgcacttttt tgatggatct gccatttgaa cgagttattt gaaatatcaa   300

tcggctcacg tgaaagagaa tgacaacaga tgaagtttgg gctttcggtg gagtgatttg   360

gacaacactc tactgatata   380

<210>   1169
<211>   427
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   1169

tgtttgtcat catcttaaag ggggagaatg tgaatgtatg tatacatgat tctgatgatg   60

tcaaagaaga atctaacaag gctgcttcaa atgataagca tttgcttcaa gaataattca   120

agattgcttc aacaaacaaa gccttgtttc aagattcact aaagaccaag ccttgcctta   180

aaacaaagtg ctttcaagac atgcaaggct ctggtaatcg attaccatga agtgtaatcg   240

attaccagaa gacagggttg agaaatagct gttgaaaaag gttttgaatt tgaattttca   300

acatgtaatc gattaccata tgtctgtaat cgattaccag caacgaaact ttggaaattc   360

aaattcaaaa gtcataaccc ttcaaattat aactgtgtaa tctgatacac aaacattgta   420

atcgatn   427

<210>   1170
<211>   462
<212>   DNA
<213>   Glycine max

<400>   1170

agctcgttat taaatacaaa acacacatat tattatgaaa aaattgacgt taatgacgta   60

aattattatt aacacttacc actgcatgtc tcagctagtc gacatcagac cttgcagatg   120

tcgacggtgc tgctgcctcc gtgaccggac ggatatctgt gtctggatcc tgaggggcaa   180

ctctgggctg cgtagcatga ccatctgccc gaggatctga tggctggccc ggcgtcatga   240

atggatgcga catgcggaag aatcagtcca tgtaatcgct ggcacactgc cctggcacaa   300

cgcagatgtc acctgctaca accatatggt ccgaatagtg catccacctg ttgtgtatat   360

catcagacgt gacccatgaa tcggcaggtg gagcatgaat ggtctgagtg tatcaaactg   420

ccgcatgacc ctctttggtc ggtaatataa aacaatgggc cc   462

<210>   1171
<211>   512
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   1171

cgcgcgttaa tccgttgttg annaccgtgc tcgtaccctg ggatactcta gagagatacc   60

tgcaagcacg caagcatatg atactgagag atggaaaaca ctattttaat gacactaata   120

gggacatagt gttgtattgt attacaccac gtaatcccca tgagcctagc acactttctt   180

aacttatgct ctcgcgaatg aactataccg ttattaggtg agccttgaac agataaccac   240

tccctctagg aacaactttt tgctcatgat gcactatggc ctgtgtatag aagctatgtc   300

tcattcataa aatatgcttg aatcttgtat gctacgctac acctcactta cacacaatac   360

ttttgtaata ctttcattaa acgccaatcg tttcatttgt cggtagattt attctgctta   420

gcaccctaca tcccttacaa aaataggcac catttacttt tttgatccta cttcatcacc   480

tcgctctatg acggctatca tgaacaataa cg   512

<210>   1172
<211>   390
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   1172

tgtcttctgt ttatatatga tttatactcg atctaagact tgtctgatgc aatttgctca   60

atcntggatg acggcaatgg tgatttcgaa aatctgcact tatatgcaga attttgctgc   120

ttaagtgtgc atcgtaatct tgtgtttgtg cagaaaatgc ttatgcatgg ctgtgtgtgg   180

aaagggttgt acatattggg gtctggacgt tncctaacat atcccaacgg tccaaatgta   240

gacttatgct ctatggacct ccactcaaat tttcgagtct atcacacgat gaacgagttg   300

gaacgatcag aatgttactg gggtctccga gtatgaaccg ctgcgggatc tgtttgtgtt   360

ttgggcaggg gtctttgcct ctgccctatc   390

<210>   1173
<211>   428
<212>   DNA
<213>   Glycine max

<400>   1173

gggaaataat aatctgccgc agcggatcca agagaaaatt aagagaagaa ggagaccctc   60

tgaaggctat ctatgctacg gtatgattaa cctttaccca tcgactttac cttttatgcc   120

aattgtgaat ctttaatcat gaaggttaag agaaggagcc tgtgtagtgt gtagaggagg   180

gaaaataagg gatgcctata aaaattatga atggaagctt ataaaatatg aagtacaaat   240

acatacaatg ttgcacagat ctaaagataa tggcgaagag tgtcattagt tgatactttt   300

ttgttatact atttctgtat tctgtttgac ttttatacgt ttctgtcagg cgtcataaaa   360

aagaccgcac atagctagga agactggtgg atgcgatagc ctatatagca gtgataggca   420

taaacaca   428

<210>   1174
<211>   118
<212>   DNA
<213>   Glycine max

<400>   1174

ctatacccac cgcagcctga gatacgcagt catttgcaaa catcatatac tacttgctgc   60

acaactatac ttgcttatga ttgccaacta gttattacat taatgtaagc tttctgtc   118

<210>   1175
<211>   483
<212>   DNA
<213>   Glycine max

<400>   1175

cgcgatgaac catggatacc gtgaataccg gaacctcgga gactcctgcg gcgtcgagtt   60

aaaaaagacg agtttgcatt tttgacgggc gaacgcgtcg catgatcatg aaacctagac   120

ctccttgcac taatgtataa ggatgctaaa aagcatacta ttcgttccaa caatgactct   180

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acactgctgt atctcacctc gccttgttgc atgatttact gactaccacg ccctgccttt    240

gaaaggatgg atttcaacac ttgtcacgct ctggtaatcc gttaccagga agagttatcg    300

atcaccagaa caccagggcc ttaattatca gctcaatcag ggtttgtatt tgtatctgca    360

acatgtcatc tgataacacc tgactgtaat ttagtaccac tcctgagctt aggaagctac    420

gttctaacaa caaaactcct caaattattc ggggttccg acacaccatc tctgataccg    480

gcg                                                                   483
```

<210>   1176
<211>   424
<212>   DNA
<213>   Glycine max

<400>   1176

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ccaggcgacc tatgttgctt cccctagaac gcactgtctt ctggaggaac ttcctggaag     60

gcccaagtgg gcctggttgc tatttgcacc ccctgtttac taaatacacc ccctgccttt    120

ttttgctgat tcttttttccg taacgttatg gaactttacg aatttcataa cgatacttgt    180

tttctttccg taatgtcacg aaaccttaca gattacgtaa tcatcccttt tttggcttcc    240

gggatgatac gaaacttcac ggattgtgca acaatgcttt cttttgactt acggcatgtc    300

acggaacttc acggattgcc taacgatggg tgccaagtac ctcgaagtgg tctaacgagg    360

gtcgtcatcc aacaaatata tggtccccgg acgatatatg ggtatgacag ttgcccctct    420

ttat                                                                  424
```

<210>   1177
<211>   401
<212>   DNA
<213>   Glycine max

<400>   1177

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tctacttatg tggcacggcg ggcttacttc actttattgt cttcaacgcg agctctgacc     60

actgttcttc cttgccgcga tgctactttt catgtgcggc tgagtgggct tatatcctaa    120

accatactta ccacggtttg cttgagcatg tatcaagcta attatgtccg cgctgtgtat    180

gtctacaccc atatcgggtc ataaccgcgc cccaacatag ctcgggccat cattaccgtt    240

gaatccgaca gacaaggctg cccatagagg gagtccacgg aagatatgct gaccacctca    300
```
```

```
taagactgga atgctgttct aacaattata tttgagcttc cacataacgc atggatgatg    360

ggaagcttac caagatgtct tcctctcctg acacgatgac c                        401


<210>       1178
<211>       432
<212>       DNA
<213>       Glycine max

<400>       1178

agcttctgaa gaaggacttt actactctgg cgcagactag gagcgtcttg tcctacttca     60

accttgccct tacatcacat acatcttatc tgaacttaga tagggcgggg ttggtgtatg    120

gactagatat gaagatggat atgaatcttg gagccctcat ttctggacag atatctctga    180

tagctcagtc caactcctcc cggctaggat ttctagcgat tatcactgct ttatgcatgg    240

ccacaggagt caccttagac tcgttgactt tcaaaactct cagcccagct attaacttgg    300

cttacatcaa gaagaacttc tagaacttgg atgacccttc ggtcagcttc ccagggaccc    360

gtaaggccag ggccagagga tctgagggtc catcttcaac tgctccccag gactctacat    420

gtccagctcc cc                                                         432


<210>       1179
<211>       427
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<400>       1179

tagtagcagt tacagaagtc aatatttccg ccaataacta tgatcatttc taccttacct     60

attttccatc atggccttgg tttgtgtgtt tagattgcca ccagagtcct aaatagacaa    120

tatctttcat tgcaagctta gcaacagtcc caaaacccaa tttttgccga aaccaagtgt    180

catgatttct atattaccaa ttttgctagc tgttgatgtt gcatcatagt tttgctatgt    240

catctacctt tggtctcatc tctttacctt acaattcagg caattatatc attacccttt    300

ttcaatatat agaattggca acatgcaaac atatctaatc caggaaattc caccactaat    360

agtcagccta taatccataa ccaatgaagt cccccatctc caatttattt catcatctaa    420

ttntatt                                                              427
```

<210>   1180
<211>   407
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   1180

ntcacttcat aagttgtctt atgcctaana atacgttgag ttatccttag taaagggtaa   60

aatattgact caagtaaagt tcaattccca ctcaagattg gagcaaacta cttagcttgg   120

caataattcc gaccaaggtc caacctagta ggtaaccatt cttgactgtg acgtatcaag   180

gaatgtattc ttaacgaata aagttacacg gttaagaatg ctgccgacag caacaacaaa   240

atggaaaatt ttgtttgtga caggaaaatc ttttgtggac cacccatatg ttatttcaat   300

taatcttctt tttcatcgtg aaatcttttt ctgtgctgct ttcccatttg actctggaaa   360

atgaagaagc tatatagatt tagatgcagt tgtttatta tttatttt   407

<210>   1181
<211>   345
<212>   DNA
<213>   Glycine max

<400>   1181

gcttcaacgg cgatttacca ccatggagat ggcgtggaag acaagggaga taaggtgaaa   60

cgaggcgccc tctactacgg aataggccat ggaagacaga gcttcaccac caagaatgtg   120

ccttggataa gacagcttgg agaggatgct tccctggagg aaaagaggca cagattgaca   180

gagagagaga gagagaagat cgaccttgaa ggaggaacac ggggagagaa gttaaactct   240

gagttgtgtc tcacatgact ctcattcatc acatttacga caagcgatac atgtgctgct   300

atttatagac tacgcagcat acttgagaag cattcttgag aaaac   345

<210>   1182
<211>   421
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   1182

tccatcgagt ggtaatcaga gcacaagagc ttctagcaag tgctccttac acctccatta   60

attttttttg ctttaccttc tcttccattg ttgtttcttc atttttctcc atgtatctcc   120

tcacatgtct tgtgataaat gttttaaca tgattctaga gtttccatgg attaaacttg   180

ctatataagc tagagtttcc aggatcttta agctcggatg gaaagatctt ctggatcaca   240

gcactgcaat ttccttccat tatgatgctt tcctgattaa tatatttgta cttccttgtt   300

aacatatctt tcaaaaattt atagtacagt ggcatctgct acaacgcttc tctgaagggc   360

atggttattt ccagtttcct gaaaatatct aacaatctcg ccagatgaca atcnttttct   420

t   421

<210>   1183
<211>   488
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   1183

gtgaacagtt tagttacaca attaattgta atctaannna tagccaggtg tgcatctctc   60

ccgcggatct taagtgaccg ggatgcactt tagcaagtgc cacttgtttt tttcttgaag   120

ccctttaggc cggtgccctt ccttgtatta agccactaca gccctaaaag aaaacctgat   180

atcccgtatt tttaaggaat tggagcttag gaatagtcag ggaaatagag cggggaggtc   240

cttgttcata ggaaaacttg taaagccgca atctcttcag acgattttgg gccctcacat   300

gagtccctcg tttacgggga aatgttggac atggcgactg gaagcgattc tctcaccgcg   360

ctgggtcgca accacgaact agagaagaca ttattacgcc tcacgtggct gaaggaatct   420

gcacggccca aatagagaga ccttgatcca tcttcggaca aacctactga cctcatgacg   480

gtggatcg   488

<210>   1184
<211>   447
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   1184

ggtgtatngc tacattctac taatatatgg aattgcccac tgctatgcct gagaataaca   60

atngcttgac cacaacaacg ctggaggcgg caagggacaa tggtctttca aataaacctg   120

ttgtacatga acaaacatta tatcatgcac tgaccgtgcc aaacgaacca gcgaagtcat   180

tgcataattg ttatactaac tatattcaat gtacctgaac aaaatgattt ccaaacacgt   240

gaccgacaca tatgatgcgg tggccataag aatcaggtgg tgtgtgactt ctataaggga   300

aaaatgtcat gtcttgttgg cgggacaacg atacaaggat tacgttatac cgggaagcaa   360

tcacatatcc catgtccgtt atattcatcc actcgtccac gcttacctga atgaaccaaa   420

catacacatg taagctaata taacatt   447

<210>   1185
<211>   388
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   1185

agcttcttat caaggctcat cttggtggtg aagctccttc ttccatggct tattccttag   60

tggatggcgc ctcctctcac ctattctcct ttgtcttccg ctgcatctcc atggtggaaa   120

atcaccattg aaggacctca ttgaagctca aagatccagc ctccgtagaa gccccacaag   180

caagcttcca tcaagtggta atcagagcac aagagcttca agtaggtgct ccttaaacct   240

ccatntaatt tttgctttac cttctcttcc attgttgntt cttcattgtt tctccatgta   300

tctcctcaca tgtcttgtgc taaatgtttt aacatgattc tatagagctc ccactgatta   360

aacttgctat acacgctaga tttgattt   388

<210>   1186
<211>   347
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   1186

catagatgga tgaatgtatg ggacgaggtn gtacgctagc tctagttcca taatggagac   60

cttctgctga aactaacttt ccacactttt gcacttcaca cgaaagagcc ccgcacgaaa   120

ctaggataga catgtccatg taaagacaga cgctttccaa ggaactacct tccgctcccc   180

atcatatatg gcaacgttct agattgctgt gcaccctctg atcttctagg ccattactgg   240

actgataatt ttgcgcgagc gacgacttca gctcatggac taccattata ctgattttca   300

tgaggaaata cggcgcctgc tgtgggcatg actgtttact cccatgg   347

490

<210> 1187
<211> 376
<212> DNA
<213> Glycine max

<223>   unsure at all n locations
<400> 1187

taagtcacct gcggcatgca agcttctaaa ctttatacaa gaatgaagct ctgataccac   60

ttcttggaca agttgcctca gatatcttaa gaaggggggg ttgaattaag atatcacaga   120

ctattcccca attaaaaatt ctactttaa tttaatccaa caacccaaga ttcctttaa   180

acaagaactc ctagataata atgcaaatta atcttactaa atagaaataa taagcaataa   240

acaataaagg agtctaaggg aagagaaaat gcaaactcag atntatactg gttcggccac   300

acccttgtgc ctacgtccag tccccaagca acccgctaga gaggttcact atcttgcaaa   360

atccctttac aagttc   376

<210> 1188
<211> 415
<212> DNA
<213> Glycine max

<223>   unsure at all n locations
<400> 1188

gacactctat agtactacag ctnttgttct gttacatctg tttcatgtat atgatgtgat   60

ctccaaatat ccaccgacta gtcatcttta accagtgcaa ttttacatga tatcttgttc   120

ctgtagaatc tcatgtcctg ccgaagatgc ctgttcaaaa tttgccgtta cagtgagaaa   180

tcctaggaaa aatataagaa aacttgagga aaaagtgata ttatactctt catttaaaag   240

tagtacaaac tacaaactta agttttagct tttagagcat attcattctc caataagtga   300

aaataatttg gtgcagcatt taggaagaat ttaattttct ttgatcgttt tgcaggatat   360

tgctggattt cataacagta tttaaattat gcaacagatc aaacatgggc atatc   415

<210> 1189
<211> 412
<212> DNA
<213> Glycine max

<223>   unsure at all n locations

491

<400> 1189

agctnntgcg gattggtctn tgccagtgaa aggatcgatg tgggtccgaa aagaggcaaa   60

tntagtcatc ctgcttcgac gaatgagaaa actggngcaa atgaagaggg tgaggatgaa   120

agagaaatcc atgctgcgat taccattcct acatggaaac ttcccaccaa cccaacaatg   180

tcattactca gccaataaca acccatctcc ttacccacca cccagttatc cacaaaggcc   240

atccctaaat caaaccacaa aacccaccta ccacacaacc aatgctaaac accacttttg   300

gcatgaaccg aagcaccaac caaaagggat ttttgcagca taaagcctgt aggatccacc   360

ccaaattccg gtgtcatatg ctgaacttgc tctcatatct actcgataat tc   412

<210>   1190
<211>   470
<212>   DNA
<213>   Glycine max

<400>   1190

tcagccagat cgctaagtga gagcttatcc gtggctaagc atgacctatt gtcgccaagc   60

gcaattcctt acgaccataa ttgaggtcca tgacgctaag caccagtcat ggcagctatg   120

cgagattcat tgtggcaata tgagcgctaa gcgagtccct ctcagctaag cgcatactcc   180

tctgtactta agatgcatca ttttagctaa gctggccaga gcctgtttta gcgagagttg   240

tagcttttct aatctacaga cctcgctaag cggacatacc ctcgtgctaa gtcgagtttc   300

tgctaaaaaa aaaactgatt ttgaatgtga aacgtcagct aagcgcacgg gtccgctaag   360

cgagccttgt tgagaaacca aacgtctctc ttgctcgctt agcacaacgg tccgctaggc   420

gaaagtatcg aaaaactgtc taagtgagtg taacagcagc tacactcaca   470

<210>   1191
<211>   474
<212>   DNA
<213>   Glycine max

<400>   1191

cggttgtgca tctactcgac cggatcttaa gtcactgggc tgcagctcta gccaatggac   60

taccttgatt aattcctttg gagccctttt gagccgtggg tgcctttcct tggtttgaag   120

ctcactacaa gccctaaatg aaaaaccatg atatcaccct atctttgacg aattttggag   180

ctctggaatt gttctgcgaa taaacgcggg gggctttttg gcttcattgg agacccgtat   240

cgctagcatt gcttcgtgat gtattttggg ccccacttga ttgacattgt atattggtaa   300

acgttggaca tgctgaatga aactgtgtgt ctcacaggct atggagtggg gcacctgctt   360

taagaagagg attttgagcg ccctaagttg agtgaataaa atcttcaccg tccagaatgt   420

gaaaccctgg tctcccttat gtaaaatgaa cgtactcttt tagttcttaa tttt   474

<210>   1192
<211>   456
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   1192

tgcatgattt acattctccc tctttctcaa gagaattctt aattcttctt gacatcatca   60

aaatcttcat gatttacatt ctcccccttt ctcaagaaaa ttcttaattc tgcttgacat   120

catcaaaatc ttcatgattt acagcctcag ctggccttgc ccttggtctt ctggccccac   180

aaataataat tgttggatca tcagggttcc aacaattctt ccttatgtan gccagattaa   240

tgaccgggct cagacgttca aagacaagac tgtcggaggc aactcctctg gtcctgcata   300

aagctgtgat aagagcagga aacacgagtt ttgaggagtt atactgggcc atagaagtaa   360

tctgccctaa aatgagggct ccgacattca tgtccagctg agtaactagg ccaaagatta   420

acctagctcg atccacagtc agatcagatg tgtggg   456

<210>   1193
<211>   504
<212>   DNA
<213>   Glycine max

<400>   1193

gcaccggatt gatgcgatcc tgtctccgag catgctatca ctctaactgc acgcgtgcgc   60

atcccatatc gacggtcact ttcggggtat tgattcttct agcatggctt atgacatagt   120

tggaaggccc ctactctcac ctatactcac tagacttacg ctgcatctcc gtggaggacc   180

ataaccattg gaggacctta ttggttctca tatatccccc ctccgtagaa tctccacaaa   240

ccatcttcca tcaagaggat ctcaaatcac acgagcttga agatactgct acgtaacgca   300

gctcaatttg tcgcttacct tatcttcatt agcgctgctt attggatcta cgtgtatctg   360

493

ctcacatgtc ttgagactaa tgtcctaaac atgatattta gagcgaccac tgattataat   420

tgctatgtaa gcataatgtg atcgttatag cgcacatctc ttttcttgta tctaacatga   480

attggtagag taaaggcctt tagc   504

<210>   1194
<211>   417
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   1194

agctntatgg ccatgtaaac actatggctt atggtttgtt ttcccccatt caatcaaccc   60

aatgtttcca aaaaacatct cttttatcaa gtcacgcaca catccgagtc catttaggca   120

tccgggaaaa atctttcatt gcattcaccc ttcaggcgca cacatttttt tcaaaaatct   180

ttttatatcc taatctgtga attttccaaa gaaaactggc ggtcattttc tttcaaaagc   240

atgttggctt tttagttttc tttctcttag ctnttttttt caattaattt ctttcagacc   300

aatttttttc agaaaaggtt tgtaacctgg gcaaagttgg tattcgagat tacactntat   360

caaaaggaac aanaggcgtg tgaatgacaa taaaccaaca cacaagaccc ctcttat   417

<210>   1195
<211>   426
<212>   DNA
<213>   Glycine max

<400>   1195

tcttcgaagg gcaaggttat ttccagtttc ttgaaaatat ctaaaaatct tgccagatga   60

cgatcttttt ccttcttgga aggtaccaca ggatatagta cttccacacc ttcatccaca   120

gctttttcac ttctactctt ctttgcattc ttattttatt tattcttttt cattttctat   180

ttcttattct acttcttttt cttttcttg gtccttcaat tctttattct ggaccattat   240

ttgtttccct ttttcccgat tgccttcacc tctcacatca tttttcttaa cttcagtacc   300

tttcttttta gtcgctttct ccttgtgcac tacactttct tcatcctcag cttccacaaa   360

cctcttactc cttgccatca cagctttgca ttcctccttg ggattctgtt ctgtatttgc   420

cacaaa   426

494

<210> 1196
<211> 464
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1196

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tctcccgcat tttcctataa ttaggggggag aagtgacagg aangaacgtt caaccctcct    60

ggtatatgag attcacttac tattagtgag ataaatcgct tccatgaaga atatacacgc   120

cgaggcgctt ccgtaacgtt gatgttacgt tttcgtgagt gatttcgcga agattttcaa   180

ccattcttcg acgttcttct tttgatattc gtcgttcttc ggtcttcaac cggtaagttc   240

ccgatatcga actttntaat tcattctatg taccgttggt ggtccccatt cgtttagcgt   300

actttattt  tcgtttcata tactctacgt agctccttttt gacgtgcttt agtcatctac   360

ttgcctaatc aataataaaa taaatttcca ccgatcattt gaatggttac atcacttaat   420

ttcagttcaa tgagatgtga ccgtttggtc atgccataac catg                     464
```

<210> 1197
<211> 100
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1197

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gngatagcta cttatatcgc cttgcgttga ggacgggcta                          100
```

<210> 1198
<211> 281
<212> DNA
<213> Glycine max

<400> 1198

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ttaacatcct cattgattag tgcagatcaa actactatat ccttgagggg acttacatca    60

tacacttgag ctgcattttc cataaaccag aattcgcaaa ggatggaatc aaggaatagc   120

atacataaag atcatgagca tacccacgtt ttcaaatttg accataaagg gccataaaaa   180

taattcttat atttctttaa aagatatatt attattaaat aacacatagt tggtatagaa   240
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tgttgatgct tacaagagtt aaaaaattat tctatccaat t   281

<210>   1199
<211>   197
<212>   DNA
<213>   Glycine max

<400>   1199

taagtaaacg atcataaacc cataatctgg cgacaagtgc agataatgag agtcatggct   60

agttggcata acatgttaac caatgcatct agtttacctt cacgcttcct atttctgttg   120

atgaatatga attcacggct acttgattca ctcctctaat gaccatagca tcacttctgg   180

cactaaattg ttgggag   197

<210>   1200
<211>   413
<212>   DNA
<213>   Glycine max

<400>   1200

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ctcatcatgt gcttattagc tggtcgggtt tctctttggc tattgaagcc ataccaatta   120

tggacaatat tatggtaaca ggcagaagat ttcgccgatg attcattctt gggatactat   180

ggtaagaact tggaatctca tcttcaatga gtcatattgt cataccatga aatatcatat   240

cttgttgcta ttgaatgaat cttgtaatta ctacaaaaca cctactgaaa ttctaaattt   300

tttagatcaa atgctaagta caagtaaaaa gatggatgat gatactattc tgcaggtctt   360

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<210>   1201
<211>   596
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   1201

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ggaatgatgc ctcatcactg acannctaaa gtaaaccgca gcatgcgact taacaaccag   120

tagatatgag tgaattaaac tacgattaca agaccttgaa caaatgtgga agaatatgat   180

tgaagcatac tgttatattc tagcatatct acacagtaca ataacgtaca cttaagaatt   240

aagccttagc ctttcatctt tggctgctgc attattcgtg taaacatagc gcatatgcca   300

tatactaacg ccgtattact gtaagtgaac tcggaggcat tacaagaaat gagaattgag   360

acagttctta gtttcgagtt gataagataa gtgcaccatt acaaggtgcc aacatttggt   420

cacacccaac cgaaaacaat tacagcaata aaaacaaagg tcatgtacac atggtatgtg   480

attatagctt tgtacatgga tggttctaag atcaaaaagt acgcttgcca tttttacgta   540

atgtggtatc aactttggtc ttaggccgac cattaccaaa cactacaatt gtcatt   596

<210>   1202
<211>   484
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   1202

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catcttttat ttatttttaaa cgaacaatag taataattac tgtgaattta aaggatactg   120

ggctgcttta tagcagcgcc ttccgcttgt cccgggctag gcaaaggacg acgacctact   180

ggtcgtgacc ctagcctctc tttgcatccg tccataagta cctaaaagta ggaaacaatg   240

aggtgtggca aatcgcgacc gcgtcgtcgt cttaccttaa tcggtttctg cttttaactt   300

tgtctcaacc tttgatgatt ctgccccctg tttatcacaa aatatgcatg tgtatgcgta   360

tgcatgaatg ttttcaaacg caacaaattt ttagtgaaag ctggtttagg ttcgattnta   420

attaagcgct tggggcatcc catgaactga gcgaaagggc tcaggtgatc acaaactaac   480

acat   484

<210>   1203
<211>   441
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   1203

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ctatgctaga ttgcacacca tgtaacctga caacctcact tatatacgag gaggtcaact   120

497

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tttccatgga aaatctgata ttaatgggaa tgaattgagc aaacttattc aatctatcaa    180

caataaccca tatagaatct aaacctctaa gggttctatg tagtcctacc acaaaattca    240

tggaaatgct gtcccacttc cactatggta tctctaaagg ttgcaactta cctgaaggtc    300

tctgatgtta tatcttatcc ttctgacaga ctangcatgc atacacaaac tcactaacct    360

ctctctttat gtatagccac caaaacatcg tctttaaatc atgatacatc tgtggagcac    420

catcatcaat gctcaaatta c                                              441


<210>        1204
<211>        313
<212>        DNA
<213>        Glycine max

<400>        1204

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catgcgtctt acaatgtatt gagaatgtta ccgcctgccc ttactagctt ctgatgcgca    120

caagagagct cgaggatcat ctgcttgtat acaaggggta tgctgtaatg catatcagat    180

agtctgttga gcgcgtatgc acgacgatgc catgactgct gcgacactag atgctggtgt    240

ttgataacag acatgagcac gaatgatagg ataaacgtga tgtgattaac agatgcttat    300

gcactgcatg ata                                                       313


<210>        1205
<211>        239
<212>        DNA
<213>        Glycine max

<400>        1205

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cgcagatcat ggaatatgca gatctaagca gaagctcgaa gtgattcatg atacagacca    120

tagctctact aagacgaaat aaataaatga gtatcaatca ctccaatgag catgctctat    180

ggtgacatca tggattatca cttggcgtga tgaagtgatc tgctcgctta tatattaat    239


<210>        1206
<211>        357
<212>        DNA
<213>        Glycine max
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<400>   1206

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tggttgtgag atcctacagg tgaaggagac atcctcagca cttgtatttc tgcgatctat   180

cgtcttgttc atagctttcg tgtaaaggac gctccttgga tatggaaagc tcgaatacta   240

tgatggatct tcgttgtttg tgcacgatgt ctatataaat ctatgtattt aatgaagtta   300

cgtgagatgc ctgtgctata aacattttaa ttcagtatgc ctataccatg ttcatat   357

<210>   1207
<211>   458
<212>   DNA
<213>   Glycine max

<400>   1207

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ttataactta tattgggaat tgcgatatat tgcatgagtt ataaggctga tattattggt   180

atcattattt tttttttttt gaaaattatc tcttttctta tctcgtgttt aggagaattt   240

cttatactat ttacttctct ttagtagtac ctattgcttc ctttgttttt ttttttttac   300

ctcttgaact cctccgattt cgggtctctg aagataatat catcgcatgc tgttctaaca   360

atatacatgt ctgtcttata gtcattattc ctacggagat gtatggacta caatataatg   420

gctaagcgta agaagaggta aacactatta tatataat   458

<210>   1208
<211>   517
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   1208

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ttgatagtaa aaggctgaga tgaatgtgca accttgatat gcagaccatg atgaagagag   120

cctntgaggt accttacaat gcgtataaca gctgtccaat gagagtccat atgattagcc   180

atgatctgac agaccttgtt cacagcatag cttaactcat gccttgtaat ggctgtgtat   240

tggagagcac caacaacata cctatagaga gatggatcac tgaataaatc caagccagct   300

ttggttaact tgcaattagt agtcataggg gaaggaatga ctgtgcttct gccattttgg   360

ttttctgaag taaatctctg atatagttgc tgagtcagta gaatagtccc atcagccaca   420

gattggattt ctataccaag aaaatattca áagtttccaa ttgtgtaaga caacaattgg   480

aatgtatctt ggtggtgagt tgctgaatta ttacatg   517

<210>   1209
<211>   366
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   1209

atgacgaaat ggctcacaag aggatgtaat gatctttcaa agtggagagg accttacaat   60

atgtcaatac caaccacaga gagtccaatt aagacatcca tagtttcctt agtttcacaa   120

tatcatatct taagttggtt atatataaat atcactatca tagcttaccc acacagtgac   180

aaagcataga catacactga ctctgtcaat ttattcccac tatgatggga taaaaaactt   240

ggcattatgt tcagttctac tatgtctcta ttgttctctt ctttctatgt gcttgttaat   300

caatttttgc atgtactttc aactgtaata atangaaaat aattttcctt tatgggtctc   360

ttctag   366

<210>   1210
<211>   254
<212>   DNA
<213>   Glycine max

<400>   1210

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ttgctgttat ctccaccact tatgatccta gtgatgaact ctggcatgac cttaatagca   180

acccttccat cacaaccctt catgtactga atagggcgtg caccagactt gatacgggac   240

ttgttagggc aaga   254